

2019 Keystone Nationals

80's Wire Youth Class

Open to any youth ages 13 to 17

Any youth competing must have an adult passenger.

GENERAL

1. Any American-made sedan or station wagon 1980 and newer.
2. Helmet, seat belt, and eye protection must always be worn. Long sleeves and Long pants required.
3. Any controversies or protests must be brought up during the drivers meeting.
4. Any questions call first. If it doesn't say you can don't do it. Cars must be stock. No painting of the frames. If the car is black it must have a 12" x 12" roof sign.
5. Judges decisions are final. All cars are subject to re-inspection at any time before, during, or after the event. All glass, plastic, and interior must be removed before arriving to the event.
6. YOU MAY USE THESE AFTERMARKET PARTS: BRAKE AND GAS PEDAL, SHIFTER, AND STEERING COLLUNM

FRAME AND BUMPERS

1. Trailer hitches and braces must be removed. No frame welding other than what is stated in the rules.
2. No tilting OR COLD BENDING of frames will be permitted. No seam welding on frames permitted. 3. No frame shaping or hammering permitted. You may crease, notch, or dimple rear 12" of the frame to help car roll.
4. You may weld the bumper to shock plate and weld the bumper shock where they collapse there must be at least a 1" gap between bumper and frame if using a factory bumper shock. Bumper may be welded directly to frame but if this is done shock must be removed completely. No adding metal. On the back side of bumper where shock mounts you may use A ¼" X 6" X 6" piece of flat metal to create a flat mounting surface.
5. Bumper swaps ok must be factory car bumper any year bumper permitted. Smith Metal Works thin bumper permitted 6. Car must set level bumpers cannot be higher than 22" to bottom of bumper or lower than 15" to bottom of bumper.

BODY / CAGE

1. Drivers/ front passenger door may be welded solid outside seam only. All other doors must be wired, chained, or banded shut. 8 double strands of 9 wire permitted per door. You may reinforce doors with an outer door skin. Not to exceed past the driver/front passenger door more than 6 inches.
2. Deck lids must be in original position above rain channels or they may be removed from car. No wedging. No body creasing. You can weld washers to body of the car for your wire to go through.
3. Hood can be wired shut ONLY. 8 double strands of #9 wire 2 may go around bumper and or frame. Hoods must be open for inspection. (12" x 12" hole over carburetor). Deck lids may be wired same way no welding permitted you must have a 12" X 12" inspection hole in deck lids.
4. Body mounts must remain stock. (DO NOT TOUCH THEM)
5. No seam welding will be permitted on body. Repairing sheet metal is limited to where the battery box and gas tank and driver's area of the floor boards of the car.
6. You may have a bar in the dash area and a bar behind the seat with bars connecting the dash and rear bar on each side. Side bars must be inside of car not inside of doors. Roll over bar is permitted No down legs permitted. Gussets permitted in corners of cage must be done at corners only. No bigger than 4" in diameter bars and you can use a ¼" X 10" X 10" plate to attach bars to the sheet metal. No kickers or down legs permitted.
7. Dash bar must be 5" from firewall rear bar can be no farther back than where the kick panel meets the seat all bars must be 5" off the transmission tunnel. Gas tank protectors are permitted no wider than 32" permitted.
8. Original gas tank must be removed and replaced with a boat-type tank or fuel cell. Moved inside of car behind driver's seat but no further back than rear axle. Batteries must be moved to passenger Side floor board and securely fastened these must be covered with a rubber or non-flammable material.

Suspension

- 1 All Suspension must remain stock
 2. Any factory passenger car rear end permitted. Rear differentials may be locked. No Aftermarket axels or bracing on rears. No slider driveshaft
 3. No spacers or other metal permitted in, on top of, or around coil spring inside of frame on front coil springs.
 4. You can use screw-in spacers to get ride height.
 5. Leaf spring cars must remain factory springs. You cannot change coil spring to leaf spring set ups. 6. Any tire may be used. No Bead locks. Wheel centers are permitted. No Larger than 10inches
- Watts link cars may be converted to conventional trailing arms. This may only be done so by using factory parts from older 80's model frames. This may not strengthen the car in any way.

You may swap spindles. Spindles must be from a factory car within the same make. Ford/ford chevy/chevy.

Engine / transmission

1. Any car motor of choice is permitted. Must use stock engine frame mounts no solid mounts permitted. No chains on engine permitted.
2. Stock Cross members only.
3. No engine cradles or protection of any kind permitted.
4. Transmission cooler may be mounted inside the car. May not strengthen the car in any way.

Stock engine parts only. No performance parts may be added other than carburetor and headers. Teach our youth to work on a stock motor first!

Winning cars will go through a final engine tech.

This class is intended to teach our youth the fundamentals of building a successful car. We have added a few simple things like converting watts link and changing spindles to help guide our youth for the future.

*** do not make the mistake of reading deep into these rules. This is intended as a cheaper stock class that is clear of bolt on aftermarket parts. Do not push the limits of this build. You will be loaded***

No other modifications may be made to car unless they are stated in the rules above if you stretch a rule you will lose that rule. no welds on frame! WE HAVE THE RIGHT TO re-inspect, cut, or drill any CAR AT ANY TIME. IF YOU ARE CAUGHT BREAKING THE RULES SET HERE FORTH YOU WILL FORFEIT ANY AND ALL WINNINGS AND OR PRIZES YOU ARE DUE. No refunds on illegal cars