FULL SIZE MOTOR SWAP RULES 2021

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General

Any 1967 and newer RWD car. No other modifications will be permitted unless stated in the following rules. Cars must have a 12" by 12" roof sign with a clearly visible number from the stands. Cars must be painted in at least 50% contrasting color.

There are zero gray areas in these rules. If it does not say you can do it, then it must stay stock.

Mandatory Items for Safety

Drivers door must be reinforced per the rules below. (1) - Seat bar must be used per rules below. A roll over bar must be used per the rules below. Gas tank must be moved inside of the car. Tanks must be made of steel/aluminum. Attaching gas tanks must conform to the rules below.

The above requirements are for the driver's safety, and to prevent an unsafe condition from coming into play in the outcome of the derby. If you try to abuse this, you will not run.

Stripping Car

All interior items except dash and necessary items (pedals/seats etc..) may be removed. Air bags must be removed or deactivated. You can wire you car however you would like, whether or not you are keeping the stock motor or now.
Hood/Trunk latch must be removed. Catalytic converter and forward part of exhaust may stay in place. No using seatbelts or wire from roof to body.

Hood

Hood must have 12" hole in the center of hood. The hood and trunk must be open for inspection. Hood and trunk may be wired shut in 6 spots after inspection (sheet metal to sheet metal).

Doors

Drivers door only must have a plate up to ¼" thick they entire door length/width. This may be welded and overlap door seams up to 2 inches on core support and rear door. Doors may be wired/banded shut

at 8 locations per door. These wires must be within 4” of door seams. Two strands (doubled is the max)/ chains per door seam.

Quarter panels/Trunk Lid

Rear quarters only, can be creased. No cutting, wedging, bending any other sheet metal material. Quarters must remain vertical. Trunk lids and rear bumpers may not be removed. Trunk lids may be “V” in the center. Must stay above drip edge in all other places.

Window Wire

You may use #9 wire in the front/rear window area. No thicker than 4 total strands.

Bumpers

Front/rear bumpers may be replaced with any stock or replacement bumper. Factory thickness (3/16ths max) aftermarket bumpers will be allowed. All bumpers may be hard-nosed and welded on with (2) 6” long by 3” wide (1/4”) straps per frame rail. A 6” by 6” mounting plate may be used to mount bumper to frame on back side of bumper only.

Cage/Gas Tank

Rear seat bar is mandatory. 1 - 4” by 4” max square or round tubing. You may have (2) 10” by 10” mounting pads for this bar. Bar cannot be located any further back than 6 inches behind the B pillars. (right behind seat)
Gas tank protectors may not be wider than 24” wide. Must be 4” off floor and 4” from rear package tray. No gussets will be permitted.

Rear Frame

May be notched/dimpled but may not be rewelded.

Front/Rear Suspension

Knuckle Busters (Spring spacers no bigger than 1 inch) may be used – max 6 per side. Car must bounce. Broken tie rods may be welded but no adding steel or strengthening in any way will be permitted.

Gas Tanks

Gas tank must be moved inside of the car. Tanks must be made of steel/aluminum. Tanks must bolt in 4 locations to the floor or gas tank protector. If bolting to floor a minimum of a 2" (max 4” by 4” by ¼”) washer on the underside of car. It may not strengthen that car in any way. All hoses must be double clamped at all connections. Electric fuel pumps must be operated by a switch that the passenger can shut off in case of a fire. You must paint switch prior to inspection.

Tires

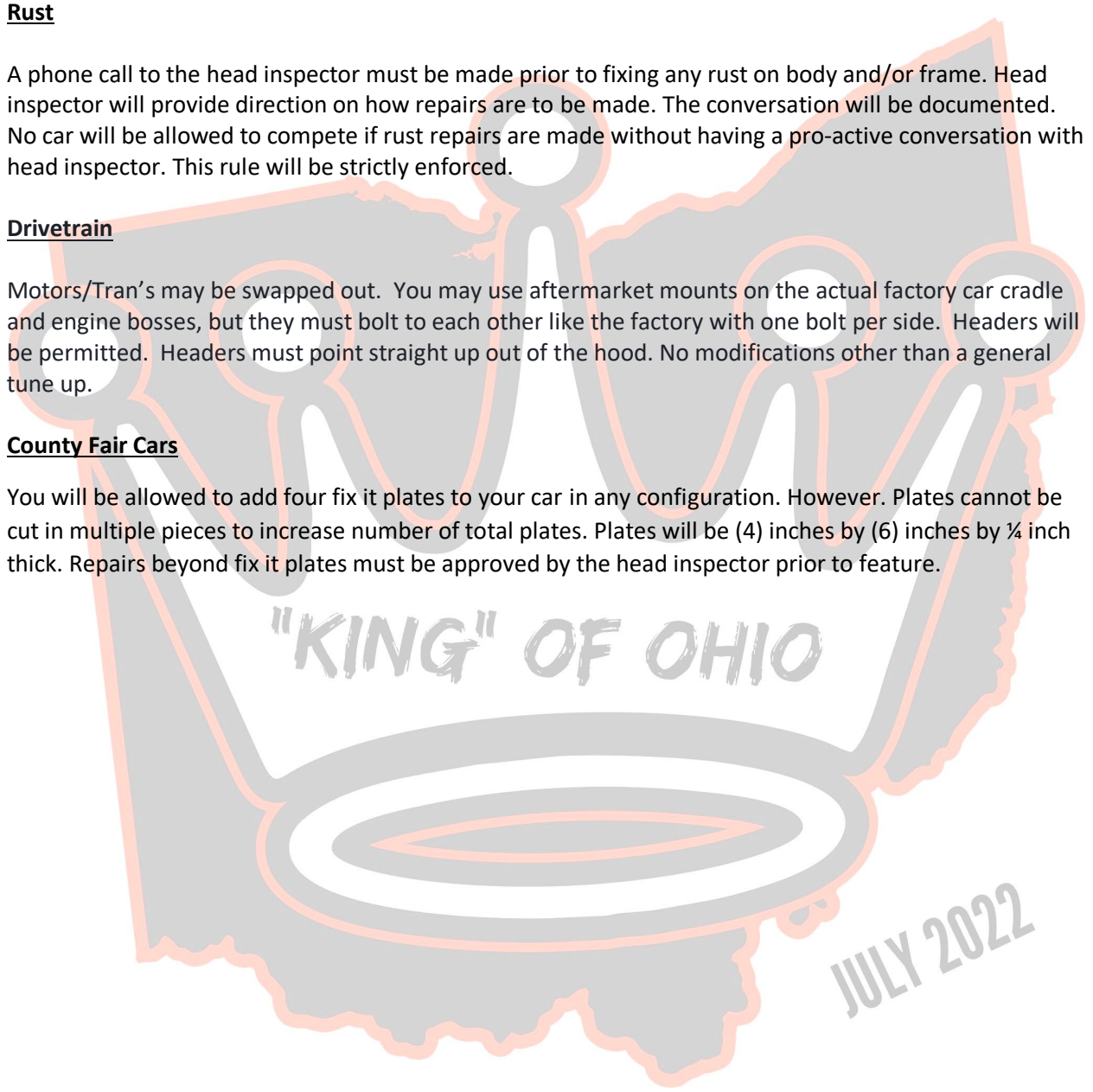
After market tires are allowed. Doubling tires are allowed. Rims must be stock with no metal added to the rims other than small centers welded in. no bead-locks, no rim guards. Valve Stem protectors may be added but not excessive.

Rust

A phone call to the head inspector must be made prior to fixing any rust on body and/or frame. Head inspector will provide direction on how repairs are to be made. The conversation will be documented. No car will be allowed to compete if rust repairs are made without having a pro-active conversation with head inspector. This rule will be strictly enforced.

Drivetrain

Motors/Tran's may be swapped out. You may use aftermarket mounts on the actual factory car cradle and engine bosses, but they must bolt to each other like the factory with one bolt per side. Headers will be permitted. Headers must point straight up out of the hood. No modifications other than a general tune up.

County Fair Cars

You will be allowed to add four fix it plates to your car in any configuration. However. Plates cannot be cut in multiple pieces to increase number of total plates. Plates will be (4) inches by (6) inches by ¼ inch thick. Repairs beyond fix it plates must be approved by the head inspector prior to feature.