

Eitzen Derby July 4th, 2020

Midsized Build Rules

1st \$1000 2nd \$500 3rd \$250

Questions call: Mitchell Meyer 507-429-4702

General

- Pre-registration \$50
 - Ends June 30th, 2020
- Day of registration \$65
- Must be 14 or older
 - Under 18 need parent or guardian signature; parent or guardian MUST be present
- Registration will begin at 9:00 am
- All drivers and crew members must attend the drivers meeting held at 1:45 pm
- Show will start at 2:00 pm
- If car does not pass inspection and/or driver is unwilling or unable to change car to pass inspection, entry fee will not be reimbursed
- Absolutely no additional welding to body or frame other than what's in the rules
- All rules will be followed, or you will not run

Vehicles allowed

- Any foreign or domestic, compact or midsize, coupe, sedan, or station wagon with a wheel base no longer than 113"
- No convertibles
- 4 or 6 cylinder engines only
- Any transmission is allowed
- 2 wheel drive only

Personal protective equipment

- Must have working seat belt
- Must have a full face helmet
- Clear or tinted safety glasses
- Fire resistant long sleeve clothing is recommended
- Long sleeve shirts, no t-shirts
- Closed toe shoes are required
- Long pants are required, no shorts

Fuel cell

- Must use a metal fuel cell
 - If you use a plastic fuel tank, it must be inside of a metal box
 - No plastic fuel cans
 - All lines and connections must be safe and tight
 - Must have fuel cell mounted in the center of the back seat area
- Fuel cells must be securely mounted
 - Any unsafe fuel setups will not run, officials decisions are final
- Stock fuel tanks must be removed

Safety Cage

- 4 point cage is recommended, dash bar and seat bar, with connecting door bars
- No down bars or kickers
- Dash bar
 - No bigger than 6" tubing
 - Required if the dash is removed
 - Shall not be up against the firewall bulkhead
- Seat bar
 - Required to run
 - Mounted to door posts behind front seat
 - No bigger than 6" tubing
 - Must be no further than 12" from back of seat
 - This will be measured from back of seat to back side of seat bar
 - Must be at least 12" above the floor
 - Must not extend beyond the point where the rear wheel wells start
- Door bars
 - May be up to 8" channel
 - Must connect to all bars being used for the cage
 - Must not extend forward past firewall bulkhead
 - Must not extend past were the wheel wells start
- Rollover bars
 - Recommended but cannot act as a brace in any way to strengthen car
 - Signal loop only

- Fuel cell protector
 - Highly recommended
 - Mounted to the rear of the seat bar protector off of seat bar centered in the vehicle
 - If you have a gas tank protector your tank must mount to it, you may not bolt tank to floor and have a protector around it
 - No wider than 30" and must be at least 4" off all sheet metal
 - Cannot be used to brace anything
 - You may build a loop off of this protector no more than 4" taller than the tank and may gusset to seat bar or vertical bars of rollover loop
- Battery protector
 - Up to 2 batteries may be used
 - Must be safely mounted in the front passenger area
 - Must be protected
 - Nothing excessive and cannot strengthen the vehicle

NOTE: the cage is for personal safety, not intended to strengthen the vehicle

Body

- Must remain stock unless stated in the rules
- All glass, plastic and chrome trim must be removed, if it could get peeled off and litter the track, take it off ahead of time, don't make me tell you to take it off
- All interior must be removed, except driver's seat
- Inner fenders may be trimmed, and bolted to fenders, no welding
 - No more than 6 , 3/8" bolts per fender, 2" washers max
- Windshield bar or mesh is recommended for safety
- No rear window bar
- Must have a 12"x12" roof sign with your number clearly visible
- Must have your number on the side of your car with your number clearly visible
- Body creasing, shaping, pre-bending is allowed
- Body mounts may be replaced with all thread
 - 1" threaded rod max
 - No welding to frame
 - Washers may be no bigger than 4"x4" by ¼" thick
 - Body mounts must remain in stock locations, no adding of body mounts anywhere
 - Must have at least a 1" spacer between body and frame
 - No larger than 3" diameter
 - Must not be welded to frame or body
 - Core support
 - Only 2 threaded rods may go through core support and may be welded or bolted to k frame or sub, not both

- Doors
 - Must be secured shut with one of the following ways
 - No more than 2 tight chains per vertical seam
 - 9 wired shut with 2 spots per vertical door seam
 - Welded shut using 2"x4" or 3"x3" plates no more than 8 total per door
 - Driver door may be welded solid
- Hood
 - Must be open for inspection
 - Must have a 12" hole cut in case of fire
 - May bolt or weld angle iron to fenders and hood and bolt them together
 - Up to 2" angle may be used, and up to 5" long
 - May be tied down in up to 6 total locations, 4 minimum, using wire, chains or bolts
 - No less than 4 spots, factory hinges do not count
 - 2 may be the core support bolts, as previously stated, and may be welded to frame
 - 2 washers not larger than 4" may be welded to top of core support to hold bolts in place
 - Must go straight down
 - 4"x4" by ¼" thick hood washers max
 - Tight chains that can be undone for inspection
 - Hood skins may be bolted together with 12 3/8th bolts
 - 2" washers max
- Trunks
 - May be tucked or trimmed but 50% of lid must remain in factory position
 - May connect lid to frame in 2 places
 - You may use up to 1" all thread and go through body mount hole
 - 9 wire or up to 3/8 cable or chain may also be used
 - May be wired, chained or bolted in 4 spots of the factory location, not in the tucked portion
 - If you choose to weld trunk lid shut it may be weld 5", skip 5", weld 5", skip 5" ect. For the part in factory location, NOT in tucked area
 - 3" wide material max
 - You may not bolt, chain, wire and weld; choose one
 - Trunk skins may be bolted together with 12 3/8th bolts
 - Trunk rules apply for tailgates as well
 - No threaded rod allowed for tailgates
 - No sedagons

Frame

- Absolutely no additional welding to frame other than what is stated in the rules
- No trailer hitches, must remove mounting brackets completely
- No stuffing metal in frames
- 4 fix-it plates TOTAL, 4"x6" ¼" MAX, nothing larger
 - 2 per frame rail

Bumpers

- Any stock full size car front bumpers are allowed
 - You may seem weld
 - No stuffing
 - Chrysler pointy bumpers are not allowed
 - Rear bumper must stay the stock bumper that came with the car, or removed
 - If you cannot obtain a full size car bumper, you make use steel tubing as followed
 - 3"x6" square or 3" round tubing ¼" thick MAX, no longer than the width of the car
 - Must not be capped, we have to be able to see though it
 - May use 3"x3" square tubing, 12" long MAX bolted to frame
 - May use collapsed bumper shocks
 - May weld bumper directly to frame with no added metal
 - Must have some means of seeing into frame to verify that the bumper mounts are only 12" long, you may need to cut a 1" hole for inspection, depending on factory holes

Steering / Suspension

- Must remain stock but you may bolt or weld with 1" max width, ¼" thick steel strap
- May chain suspension, but must be bolted, no welding
- No spring spacers or clamps
- No replacing shocks with tubes, again, must remain stock
- Aftermarket steering columns are allowed
- No reinforcing in any way, any part of steering or suspension parts

Tires

- Any tire allowed (Ag, forklift, stuffed, foamed, doubled, fluid filled tires ect.)
- No wheel weights or studded tires
- No split rims
- Rims may be full centered with bead protectors
- No outside beadlocks
- Tires may be screwed to rims

Drivetrain

- Engine
 - NO engine cradles
 - Carburetor and distributor protectors are allowed
 - Any other type of protector or brace shall not be used
 - Aluminum motor mounts may be swapped for steel, no welding
 - Must run radiator and be in factory location or looped hoses
 - Switch panels are allowed
 - Any fuel system and ignition system allowed
 - Electric fuel pump must be wired with ignition to shut off with the engine
- Transmission
 - No braces
 - Transmission Oil Coolers are allowed but must be safe and securely mounted in a safe location
 - Any shifter is allowed
- Final drive / Differential
 - You may weld gears or use spools
 - Stock lug count to your vehicle

Brakes

- Must have working brakes at the start of show
- Bolt in pedal setups are allowed but cannot strengthen car

Appearance

- Cars may be painted and decorated with the interest of good taste in mind
 - No profanity anywhere on the car
 - No inappropriate slogans or logos
- NOTE: Keep in mind children will be attending this event
- It is recommended that midsize drivers bring tools and extra parts, depending on number of entries, heats and a feature may be run. Heat winners will receive their entry money back.
 - Cars will be impounded after tech and lined up in staging area so they are ready to go once track is clear. This is to keep show rolling and limit hazards in the pits.
 - No frame welding or modifications other than what is stated in rules.

Anything more than what is in the rules will be cut. I will do my best to work with people on builds and try to give every van a chance to come and compete. Feel free to call or text me if you have questions, concerns or want clarifications of the rules.

Mitchell Meyer 507-429-4702