

2020 Shelbyville, Tn **Metric weld class**

ALL JUDGES DECISIONS ARE FINAL

These rules is what your allowed to do, anything else must be OEM as built by the manufacture.

Only 50% of your car can be painted black! NO ALL BLACK CARS!!!!

*****General rule**

1. ANY YEAR American made Passenger car or station wagon. No trucks, 1973 & older Imperials, 1970 & older lincolns, jeeps, hearses, limousines.
2. Sedagons are NOT allowed.
3. All glass, side windows, rear windows, headlights and taillights, must be removed before reaching inspection. Rolling down windows is not permitted. All interior seating, carpet, etc
4. Cars must have a seatbelt and working brakes. MANDATORY
5. Battery must be securely fastened and covered in passenger compartment. TWO BATTERIES ARE ALLOWED. Tranny cooler allowed
6. Front Windshield Bar is MANDATORY and is limited to a 2" wide x 1/4" thick strap, chain, 9 wire loop, 2x2 angle. this can be attached to roof sheet metal and firewall or dash bar.
7. Cars must have at least a backseat bar to run but 4 point cage is preferred.

*****GAS TANKS AND FUEL PUMPS**

1. Stock gas tank MUST be removed from original position, All tanks must have a secure cap. A marine tank or fuel cell is strongly recommended. all lines and fitting must be leak proof and meet approval of the track officials. Electric fuel pumps are allowed
2. All lines must be run inside car, not along the frame underneath.

*****RADIATOR AND CORE SUPPORT**

1. Radiator must be in stock position
2. Any automotive type radiator can be used. Aluminum Radiators are LEGAL.
3. No homemade radiators allowed
4. No reserve tanks and no added cooling capacity.
5. One electric fan, mounted to the radiator, may be used.
6. DO NOT MOVE CORE SUPORT if core support is moved you will get loaded!
7. Factory condenser or 32" wide by 1/4" thick mesh radiator protector
8. May run 1 inch all thread in 2 spots through core support to factory core support mount in the frame.

*****BODY**

1. No body seams may be welded. No metal may be added.
2. No doubling of body panels allowed, no added metal allowed.
3. **Exterior** BODY CREASING IS Allowed.
4. Fenders may be bolted together. Max of 12- 3/8" BOLTS ABOVE THE FENDER WELL.
5. Doors may be chained, wired, or welded on the car body.
6. When welding doors 6in on 6in off all the way around
7. No creasing, welding, doubling of transmission tunnel... if you touch it you will cut it out 8. 1 inch spacer between body and frame, no more than 1/2 inch bolts.
8. Drivers Door can be welded SOLID and may have a door plate on outside 2. Passenger door must be welded 6 inches on 6 off. May have a door plate on the inside of door

*****SUSPENSION**

1. A-Arms are allowed to be welded down by using 2 pieces of 2"x2" x 1/4" per arm (1 front & 1 Rear) 2.If you weld anywhere else on A-arm, or use bigger strap than allowed....you will cut it all off and run working suspension or load your car up!
2. Spring spacers are allowed
3. Tie rods must have factory appearing ends, No heims joints! You may brace the center tube with angle or pipe. Aftermarket is fine but must have a factory ends!
4. Factory spindle swaps are ok, ford to Chevy etc. GM factory lift spindles are ok (No fabricated spindles or aftermarket hubs)
5. You may Replacement ball joints, screw in or aftermarket are ok
6. You may change A-arms from new style to old style A-arms. Must bolt in factory location for the car you are running!
7. NO All-Thread Shocks (rear suspension see Rear End section below)

*****HOODS MUST BE OPEN AT INSPECTION!**

1. Hoods must have two (2) holes, at least four (4) inches in diameter on each side of the carburetor. Not directly on top of the carburetor. If the hood is removed, either the fan or fan belt must be removed.
2. Hoods may be secured by 2 pieces of 1" all thread outboard the radiator. Cannot be sleeved. * Meaning spacer/square tube stops at bottom side of core support* If alhread goes to the frame it must go through a factory body mount hole.
3. You may have up to 12 (3/8") bolts to hold the inner and outer hood skins together.

4. Hoods can be held shut with “one” of the following options, **A** (8) LOCATIONS 2” long pieces of 2” x 2” angle with a single 3/8” bolt thru them **B** (8) Locations 3/4” diameter max bolts going through hood into inner fender with 2”x2” max washer

***TRUNKS

1. You can weld trunks 6 on 6 off like the doors with max 4” wide by ¼ thick
2. You may crease the trunk and quarter panels, and rear pillar.
3. You can have up to 2- 1” pieces of threaded rod through your trunk to frame but must go through a factory body mount hole.

***SAFETY CAGES

1. All cars must have a safety cage and roll over bar. (Can be in the doors)
2. A 4-point cage is recommended
3. Cage can be made out of 4” pipe, 4” square tubing, or 6”x2” box tube MAX.
* Your cage must have a dash bar (4” off firewall minimum) * Bar behind driver’s seat
* 2 side bars connecting your dash bar to your seat bar. (One per side) Cannot extend past wheel well tubs or firewall. This is the minimum requirements; your cage is for your safety... not to strengthen the car. NO part of your cage can be a kicker to the frame or any driveline component. 4” gap required.
4. Roll over bar cannot be more than 6” behind driver’s seat. Roll over bar can NOT attach to frame.
*Weld or Bolt it to sheet metal only. A 6” x 6” plate may be used in aiding it to be attached to floor sheet metal. Roll over bar can be bolted to roof. The cage can be welded to sheet metal only. You can have up to four (4) down posts, two (2) per side.
5. All down tubes must be behind the inside front seam of the front door, straight up and down. Welded to sheet metal only.
6. Gas tank protectors are intended for protecting your fuel cell and nothing more.... If it reinforces your car you will be required to change it. MUST BE 2” GAP BETWEEN GAS TANK MOUNT AND PACKAGE TRAY and must be 1” off the floor. No wider than 24 inch behind the gas tank.
7. You may weld or bolt your roll over bar to the roof in 3 places.

FRAMES

1. No welding, plating, or reinforcing of the frame.
2. All factory frame holes must be left open.
3. Any reinforcing of frame found will result in disqualification. NO Fixing Allowed...You Will Be LOADED!
4. Sub frame cars cannot be tied together. If you want to run a full frame car, buy a full frame car, don’t build one.
5. CORE SUPPORT AND CORE SUPPORT MOUNTING TAB MUST REMAIN IN FACTORY LOCATION.
6. Aftermarket steering columns are ok
7. Rear frame rails may not be shortened.
8. NO Frame shaping
9. Tilting is allowed. You may cut frame in one spot, pull down and re-weld back together with one beam of ½ weld.
10. You will be allowed 4 repair plates on each side of car. This is for repairing bent frames only. Plates can be 4x6-1/4. Bent area only! No shaping plates. Plates can wrap frame and welded. ½ inch hole in plate! If found with plate/plates in NON-bent area. You will load!

BUMPERS

1. Bumpers maybe loaded. Everything inside factory envelope of the bumper. Replica bumpers are allowed but must be approved by officials. Send a picture first!
2. Bumpers may be hardnosed or weld a factory shock to frame and bumper. Bumper shock or bracket can NOT be lengthened!
3. Bumpers can be no higher than 26” from the ground to the top of the bumper or lower than 14” from the ground to the bottom of the bumper.

ENGINE AND TRANSMISSION

1. Any engine or transmission may be used in any car, but must be mounted within 6” of the original motor. Engine cannot protrude into the passenger compartment before the race.
2. Front lower ENGINE CRADLES ONLY ALLOWED (front plate and lower cradle)
- 3 No Mid Plates, No Halos behind carburetor, No Distributor Protectors, No Fabricated Fan) BOP adapters are ok if they meet the size requirement of less than 1” above bell housing bolt pattern. (No spacer or adapters taller than 1” above the bell housing bolt pattern)
4. Aftermarket Motor Mounts are legal, NO Horizontal Bar Mounts Must have rubber, poly, spool type mount
5. Transmission oil coolers and engine oil coolers are permitted.
6. Pulley protectors are allowed, but sway bar must remain stock do not weld or change the mount, you will remove the sway bar completely.
7. Factory aluminum engine cradles in 2003 and newer cars may NOT be changed. No homemade cradles.
8. HOMEMADE Gas Pedals and Shifters Are allowed, but may not reinforce the car in anyway.
9. NO TRANS BRACE ALLOWED

10. May weld a piece of 3x3x6 angle to frame to aid in attaching cross member.
11. Transmission modifications -Steel bells and steel tails are ok. Tranny Tunnel must be trimmed out around steel Bells

REAR END

1. Any automotive rear end 5-8 lug. Re-enforced housing, axle saver, pinion brakes are all allowed!
2. Slider drive shaft is permitted.
3. You may have five (5) spring clamps per spring pack. Maximum 1" wide 1/4 thick
4. ZTR style brackets are legal, but must use factory trailing arms to mount rear end. If bolted through package tray, sheet metal must be cut around washer. (So it isn't adding a body mount)
5. If you shorten the trailing arms, NO more than 2 inch overlap and weld. No doubling or reinforced trailing arms.
6. You may chain or wire your axle to the frame in 2 spot on each side of the car. (1 link on each end of the chain may be welded to frame MAX) *NO OPENING CHAIN LINKS TO GAIN LENGTH*
7. Rear leaf springs must remain factory thickness and width per leaf-* 5 clamps total per pack (can be homemade 1" wide 1/4" strap.
8. Coil springs maybe doubled or swap fronts to rear or vice versa.

TIRES

1. Any Tires black and round. No stubbed tires. Remove all wheel balance weights!
 2. Any rim may be used. Rim may have bead protector, valve stem protectors and weld in center. Full centers allowed, nothing covers tire.
- Fresh cars will be given 2 plates on each side of the car. Plates will be 4x6-1/4. May wrap over frame 2 side of frame. This is to allow fresh car to run against pre-run plated cars.
- Pre-Ran rules. a pre run may be patched with up to 6- 4x6-1/4 plate, 1 inch gap between plates. Must be on bent area of frame only. I must be able to tell it's has a bend in the frame if not you will cut the plate off.
- If it doesn't say you can do it, don't assume that you can.
- ASK first or don't do it!
- Everybody needs to read and re-read these rules.
- If you are found to be over built for these rules, you will be given 2 options.
- A. CUT OR REMOVE ILLEGAL PARTS.
 - B. LOAD ON TRAILER AND GO HOME.

03 & newer

Must run factory engine cradle. Must run factory steering rack. May use aftermarket steer shafts.

May use a bolt in type cradle that mounts to the factory cradle engine mount to help install your motor of choice.

Nothing can be touching, mounted to frame rails or mount bolts of factory cradle. If not clear, call me!

ANY QUESTIONS CALL OR TXT Rob Baker- 515-971-1328