

RICHLAND COUNTY FAIR DEMO DERBY RULES

OLNEY, IL

STOCK LARGE FRAME RULES

(Adopted 3/7/2023)

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. **JUDGES DECISIONS ARE FINAL.**

AUTOMOBILE BODY REGULATIONS

1. ANY Passenger car or station wagon only. No trucks, jeeps, hearses, limousines, or checkered cabs. No pre 1973 Chrysler Imperials and no Imperial Sub Frames. No PRE-1973 Lincolns.
2. Sedagons are allowed.
3. All glass, side windows, rear windows, headlights, and taillights, must be removed before reaching the track. Rolling down windows is not permitted.
4. Rear seat of sedan must be removed, top and bottom. On station wagons, all seats and decking must be removed. Station wagons must be emptied to the floorboards.
5. Cars must have a seatbelt and working brakes. **MANDATORY**
6. Battery may be moved but must be securely fastened and covered in passenger compartment. **TWO BATTERIES ARE ALLOWED.**
7. Front windshield bar is **MANDATORY** and is limited to two 2" wide x 1/4" thick straps or two 3/8" chains or two strands of 9 wire. Must be at least 2 inches away from DP!!!!!! May be welded or bolted or both. 6 inches on roof and 6 inches on firewall for attachment.
8. Class A or frame mounted hitches must be totally removed. Class B or bumper mounted trailer ball stub must be cut off.

GAS TANKS AND FUELD PUMPS

1. Stock gas tank **MUST** be removed from original position and mounted in the rear seat area and secured. No rubber or chain straps. All tanks must have a secure cap. A marine tank or fuel cell is strongly recommended. All lines 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.
3. All lines should be double clamped.
4. Electric fuel pumps are allowed but must have a lighted shut-off switch within easy reach of the driver.

RADIATOR AND CORE SUPPORT

1. Radiator must be in stock position.

2. Any automotive type of 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 SUPPORT.**
7. If you use a core support spacer for your all thread to run through, the spacer may be welded to the frame, and it must end at the bottom of core support.
8. You are allowed a factory ac condenser or 1/4" mesh screen in front of radiator. 6 3/8" bolts or 6 1" welds to hold it in place. Spray foam may be used to protect radiator.

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. Body creasing will be allowed.
4. Body creasing will be limited to the outside of the car body only!!!! No creasing firewalls, trans tunnels, trunk floors, and or etc!!!!
5. Fenders may be bolted together. Max of 10 3/8" BOLTS ABOVE EACH FENDER WELL.
6. Doors may be chained, wired, or welded. When welding doors you may weld them 5 on 5 off 3" wide trap 1/8" thick or filler rod may be used. Both front doors may have a 6" wide by 1/4" plate welded across them for protection only.
7. 9 wire is unlimited from front bumper to core support. U may also add 4 other strands of 9 wire any where you wish. Cannot attach to engine or trans protectors.
8. **RUST REPAIR WILL BE ALLOWED NO THICKER THAN FACTORY SHEETMETAL. MINIMAL OVERLAP OR REPAIR. IT MAY BE WELDED OR BOLTED. THIS RULE SHOULD HELP CARS THAT HAVE A RUSTY TRUNK MOUNT OR RUSTY ROOF.**

BODY MOUNTS

1. You may replace all body mount bolts. You must have a minimum of 1" gap between body and frame!!!! Either use a solid metal spacer, a stack of washers, or the factory rubber spacers. If you use the rubber spacers do not flatten them out where the body is solid to frame, or you will be loosing bolts at the track!!
2. Body mount washers are to be no larger than 5" by 5" 1/4" thick. These plates must remain free floating and up inside the frame as they were from the factory.
3. The 4 in the trunk and the core support may be 1". All other body mount bolts must be 5/8" or smaller.
4. You may add two body mounts any where you wish. Must be a 5/8" bolt. 4 inches may be welded to the frame. The bolt can be any length. It cannot connect to the cage or any driveline component or create a kicker!!!!

SUSPENSION

1. Suspension must be original factory suspension for that car. Spring raisers are allowed, coil springs may be changed or doubled. Aftermarket ball joints and weld in rings are fine.
2. Tie rods must have factory appearing ends. No heims!! You may brace the center tube with angle or pipe. Aftermarket is fine but must have a factory type end!!

3. INSTEAD OF FIGHTING SPRING RAISERS OR KICKING FRONT SPRINGS, UPPER A ARMS TO BE WELDED DOWN WILL BE ALLOWED. YOU WILL BE ALLOWED 2 PIECES OF 2" WIDE BY 6" LONG ¼" PLATE TO SECURE A ARM PER SIDE.
4. No plating up a arms!! No ball joint protectors!!
5. Factory spindle and a arm swaps are allowed.

HOODS - MUST BE OPEN AT INSPECTION!!

1. Hoods must have two (2) holes, at least four (4) inches in diameter on each side of carburetor. Not directly on top of the carburetor.
2. Hoods may be secured by 2 pieces of all thread outboard the radiator. Cannot be sleeved.
3. You may have 8 total hood bolts!! 2 by 2 ¼" angle back to back with a single ½" bolt or 5/8" bolts sheetmetal to sheetmetal. If your core support bolts go through the hood that counts as 2.
4. You may have up to 20 3/8" bolts to bolt hood cutouts and hood bracing together.

TRUNKS

1. You may use 4 pieces of one inch all thread to secure the trunk lid. All thread must go thru factory rear body mounts only. Washers may be no larger than 5 inches in diameter. No sleeving the all thread.
2. Trunk lids may be welded 5" on 5" off. 3" side by 1/8" thick strap only or filler rod.
3. The trunk lid must remain on hinges and rear tail light panel must remain vertical.
4. The trunk lid may be v'd in the center but must remain at least 10" off the trunk floor.
5. TRUNK MUST HAVE TWO 10 BY 10 INSPECTION HOLES CUT IN TRUNK LID!!!! You may bolt the inspection holes back together with 5 3/8" bolts.

SAFETY CAGES

1. All cars must have a safety cage and roll over bar.
2. A 4 point cage is required. Your cage must have a dash bar that must be 5" from the firewall and transmission bell housing. Everyone that is running a center bar it must remain 5" off trans tunnel also!!!! Your cage must have a bar behind the driver's seat. You must have (2) side bars and they must not be farther than the rear wheel wells and must not extend past your firewall.
3. Roll over bar cannot be more than 6" behind driver's seat. Roll over bar can be bolted or welded to roof in 4 spots.
4. The cage can be welded to sheet metal only. Cage must be in drivers' compartment. CAN BE IN THE DOORS!!!!!! You can have up to four (4) down posts an they may be welded to the top side of frame only!!!!!! Do not put down tubes in the frame or on the side of the frame!! TOP SIDE ONLY!!!! They must be straight up and down and must be no farther forward than the inner front door seam. Basically, this means your down tubes cannot be angled to rear humps or the body mount boxes at the firewall!!
5. All cage material can be made out of 6" pipe or 6" square tubing. This means you get 6" of material welded to frame for downtubes!!

6. Gas tank protectors are allowed. Protector may be 36" wide where it meets the rear package tray body pan. It can be tight, but it may not be bolted or welded to the frame. You may build off of your tank protector to protect your fuel cell. It may not connect to the roof or floorboards in any way and must stay in the 36" rule!!

FRAMES

1. All factory frame holes must be left open.
2. 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.
3. You can shorten the front frame only to aid in mount front bumper. YOU MUST NOT TOUCH FRONT MOUNT!! All frames must be factory length!!!!
4. Any steering columns will be allowed.
5. Rear frame rails may not be shortened.
6. You may chain your rear axle to the frame hump. (3/8" max chain) 2 chain lengths may be welded to frame.
7. All cars may be tilted.
8. No welding of Ford crush boxes.
9. No frame seam welding!!
10. 77 and newer GM's may have a 22" long 3/8" thick humpplate. This plate must contour the frame. It cannot run straight across!!
11. Sway bars on the front must remain factory mounted to frame!! No welding!!!! Your sway bar may be bolted to lower a frame.

BUMPERS

1. OEM STOCK shock canister only. ANY BUMPER ON ANY CAR.
2. Bumpers may be welded on. Weld them on good, we do not want to pick them up off the track.
3. YOU MAY BOLT A CHAIN FROM BUMPER TO BUMPER SHOCK AT THE FRAME. 3/8" MAX.
4. Bumpers can be loaded on inside only (DEC BUMPERS ARE OK)
5. Bumpers can be no higher than 26" from the ground to the top of the bumper or lower than 16" from the ground to the bottom of the bumper.
6. Bumpers may be hardnosed but do not shorten the frame past core support mount.
7. No welding allowed pat factory most rear point of where your bumper bracket used to be for the car you are building.
8. If you do not run factory bumper shocks or brackets for the car you are running, you are allowed a 3" wide 3/8" thick 6" long plate to help attach the front bumper. No putting Mopar shocks on the front of a new style ford!!
9. Homemade bumpers are allowed. No crazy pointy bumpers. Bumpers must look like a factory 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. ANY ENGINE CRADLE ALLOWED. May use aftermarket or homemade motor mounts. 2 chains allowed (1 per side of engine, 3/8" chain max) bolted to engine or cradle and must be welded or bolted to engine crossmember of car only,

nothing mounting your engine may be attached to frame rails at any point!!!!!!

3. Chains will be permitted, but this is only to help hold your engine in place and must meet approval of officials. (Nothing adding strength to car)
4. Transmission oil coolers and engine oil coolers are permitted. They must be secure and contained and covered inside the car, for the driver's protection.
5. Skid plates are allowed.
6. Distributor protectors are allowed. Transmission braces and aftermarket bellhousings will be allowed and used like they are meant to be used.
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.
9. OEM transmission crossmember or 2 x 2 x 1/4" square tube. 6" of 3" by 3" by 1/4" angle may be used to mount crossmember to frame.
10. 2 5/8" bolts bolted through tail housing 1 loop of 3/8" chain of 6 inches of weld to attached transmission to trans crossmember.

REAR END

1. Any automotive or aftermarket rear end.
2. On models originally equipped with leaf springs, springs may be 5/16" thick and must have a 2" stagger.
3. Leaf springs shackles must remain factory and in working condition. May not be solid!!!!
4. Slider drive shaft is permitted.
5. You may have five (5) spring clamps per spring pack. 2" wide with no bigger than 7/16" bolts.
6. Trailing arms may be reinforced or homemade. Tubing may be used. Watts conversions are allowed.

TIRES

1. Any tires 16 inches or smaller.
2. No solid wheel stock OEM only. YOU MAY NOT WELD IN WHEEL CENTERS for multi lug use. Foam Filled or bead locks are allowed, we do not want any flats. Valve stem protectors are allowed.

Everybody needs to read and RE-READ these rules.

If you are found to be too built for these rules, you will be given 2 options.

- A. CUT OR REMOVE ILLEGAL PARTS.
- B. LOAD ON TRAILER AND GO HOME.

Either way you will NOT RECEIVE A REFUND!

If you have any questions, you can contact one of the superintendents listed below.

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