

2017 Dunn County Fair Demo Derby

Specific Rules for Modified Compact and Mid-Size Cars

(In addition to the General Rules)

CONTACT INFORMATION

Bob Hoffman

715-308-8538

- COMPACT CARS: Compact cars may not exceed 102" wheel base. Wheelbase is measured from the center of hub of front axle to center hub of rear axle. Engines are to be 4 & 6 cylinder only. No AMC pacers, no all wheel drives.
- Mid-size cars: Mid-size cars will be 102"-108" wheel base. Wheelbase is measured from the center of hub of front axle to center hub of rear axle. Engines are to be 4 & 6 cylinder only. No AMC pacers, no all wheel drives.
- Front and rear wheel drive cars.
- No reinforcement of any part of the vehicle or materials in the truck will be allowed. No filling frame with any type of material and no frame seam welding will be permitted. You may notch the frame.
- Bumpers – any automotive bumper allowed. You have the option to replace the front bumper with a 1/4"x3"x3" "tube". Tube must remain straight and not "v-ed". If replacing bumper, bumper must be trimmed to original bumper size and tubes cannot be "capped" on the ends.
- Bumpers on newer model cars with impact bumpers may be welded to the piston. Piston "holder" may be welded to frame. As an alternative, you may weld bumpers directly to frame, no added iron. You may weld a 1/4" x 2" x 6" strap from the bumper to the frame to help keep the bumpers on the car. This must remain in one piece, and may be welded on the top or side of the frame, but cannot be angled to the corner of the bumper to form a kicker. Two straps front bumper, two straps rear bumper.
- No welding allowed on trunk lids or hoods. Hoods and trunks must be bolted or chained. Four chains or bolts per hood and per trunk. The front two chains or bolts in the hood may attach to the frame. Only two of the bolts or chains in the trunk area may attach to the frame. If using bolts, washers to be a maximum of 1/4" x 4" x 4". Bolts not to exceed 1" in diameter and no more than 4" of weld on both sides of rod where attached to frame. Chains to be 5/16" single loop. You may replace two of the hood bolts or chains by welding 2" angle iron stock (maximum 4" long) on fender and hood, then bolting the two angle iron pieces together. One bolt per "connection", maximum bolt size is 3/8" x 3".
- A 14" square hole must be cut in the hood for fires. You may install up to 12 – 3/8" bolts or self-tapping screws per hood cutout. Maximum of 3 cutouts. Maximum washer size is 1" diameter. Cutout may be for header clearance, air breather clearance, or radiator fill opening only.
- Trunk lids must remain 50% in the stock location. The truck lid must remain on the hinges.
- Station wagon tailgates and hatchbacks- tailgates and hatchbacks may be secured by four lengths of wire or chain not to exceed 30" in length or welded with 4 patches (1/4" x 4" x 4").
- Radiators must be in the original position in the car. No auxiliary coolers allowed. Radi boxes are allowed in place of radiator. They must be supported in the same manner as existing radiator. Cars with radi boxes can have (2) 1/4" x 2" x 4" strap going vertical, welded to the core support to help support radi box. Strap to be welded to core support, not frame.
- If using the original radiator, a radi-guard may be used. This would consist of a 1/4" plate in front of the radiator, no larger than the radiator, and either bolted to the core support with (8) 3/8" bolts or welded to core support in 4 spots with welds no more than 6" each. Do not weld to frame.
- Engine may be chained to frame and engine mounts may be welded so long as this does not strengthen frame.
- Tires- All tires shall be 12 ply or less automotive tire. Valve stem protectors allowed. No split rims. No solid rubber tires or skid steer tires.
- Preferred stack height above hood is 12", may have 24" maximum. All stacks to be secure. Turn-outs allowed but must not present a safety concern to other drivers or cars.
- Suspension, to be stock in nature and function.

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- You may chain rear humps to axle. Chain may not exceed 36" in length, 5/16" single loop. If you chain your humps, you must leave enough slack for the suspension to work.
- Driver door netting will be allowed: ¼" x 1" material. If using steel, mesh shall not be welded more than 2" above and below window opening. Fiber mesh is also allowed.
- Windshield bars, can connect to roof and firewall cowl area, not to hood.
- Two safety bars will be allowed to be installed in the car. One in the dash area and one back of the driver's seat. They may be bolted or welded in place and not be larger than 4" in diameter. A plate on each end no larger than ¼" x 6" x 6" will be used to secure the dash bar and a ¼" x 6" x 12" to secure the seat bar. Seat bar cannot be further than 12" from the back of driver's seat.
- Drivers and passenger interior door bars are allowed. You may weld them from your dash bar to the rear seat bar only. May have (4) down legs vertically to the floor tin only. Do not go overboard or you will be asked to cut your welds.
- You may weld or bolt a roll over bar to your seat bar. Your roll over bar must run vertical and only attach to your seat bar and NOT attach to your frame, no type of kickers off your roll bar.
- In place of having interior door bars, you may have an "exterior" door bar on the drivers and front passenger door. Material for exterior door bar not to exceed 3/8" x 6" and may not extend further than 4" past driver's door seams. Door bar not to exceed ½" out from body. You can run the interior door bars or an exterior door bar, NOT BOTH.
- Doors may be chained or welded with patches. You are allowed four patches or chains per door. Patches shall not exceed 1/4" x 4" x 4". Chains to be a 5/16" single loop, 24" long maximum. Driver's door maybe welded shut using no larger than 2" strap material or by placing a small rod in the seams and welding. If driver's door is welded shut, no chains or patches on the door.
- A gas tank "protector" is allowed in cars. May be welded off of rear seat bar and go back in passenger compartment to rear seat tin behind gas tank. May contact rear seat tin and be no wider than 30" where contacts rear seat tin. No Kickers to floor tin or frame.
- Frame repairs: for "pre-rans" with frame tears or damage, you are allowed to use a 1/8"x2"x4" repair. No more than 4 per frame "rail" on damaged areas only.