

COLUMBIA COUNTY FAIR & RIVER CITY SPEEDWAY
FULL SIZE V6 OR V8 DERBY RULES
July 21st, 2019

We are creating a demo derby in the spirit of a "chain and go". We always want to see everyone remain safe. Please read all the rules and if there are any questions contact
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GENERAL SAFETY INFORMATION:

1. Seatbelts and shoulder harnesses are required in every car. - these can be factory equipment - Custom seatbelts and shoulder harnesses will be subject to inspector's approval.
2. SEATBELTS AND SHOULDER HARNESSES MUST BE WORN WHILE ON THE RACETRACK
3. NO excessive speed in the pit area. USE CAUTION. SAFETY FIRST.
4. Long sleeves and long pants MUST be worn while racing SFI Drivers suit recommended
5. Using cutting torches or welding equipment in the pit area requires proper fire suppression.
6. No intentional hitting of the driver's door, repeated hits may result in a black flag and possible suspension. - "INTENTIONAL" will be determined by the officials.

INSPECTION - Have ALL equipment with you at check-in: Full Face helmet with visor or safety glasses, fire extinguisher. - If you are not ready for inspection, you will be taken out of line and must wait until you are ready. White Flag is required. INSPECTORS (OFFICIALS) HAVE FINAL SAY ON ANY INSPECTION QUESTIONS - IF IT DOESN'T LOOK SAFE- IT WON'T PASS!

MANDATORY RULES FOR CAR SET-UP

NO Chrysler Imperials, No Trucks, No Limos, No Vans, No Hearse.

No Stuffing, Filling or adding anything to the frame unless otherwise stated okay in these rules.

No welding on the frame unless stated okay in these rules.

Single carburetor per car.

Motor replacement / swap okay

SECTION 1- CAR PREPARATION

1. Competing models, Any 2-wheel drive, 6 or 8 Cylinder car – coup, sedan, wagon. NO VANS OR TRUCKS
2. All glass MUST be removed- vacuum all broken glass.
3. Do not break windows inside the door. Doors MUST be clear of all glass and debris- including inside.
4. Windshields are optional.
5. Engines MUST be free of flammables- clean and degrease engine.
6. Flammable materials/debris MUST be removed from inside the car and trunk.

7. Fire extinguishers are required in all cars- must have a working gauge. - Extinguishers **MUST** be securely mounted within easy access of the driver.
8. White flag is required in all cars- for use in case of injury or to wave off.
9. All light cover/bulbs, side mirrors, hubcaps, grills, side chrome, plastic, door handles and pot metal **MUST** be removed.
10. All trailer hitches, related brackets, reinforcements and hardware **MUST** be completely removed.
11. Stock fuel tank in front of rear axle ok.
12. Any frame or unibody repair plate size must be no bigger than 3"x 3" x 1/8" thick. Every plate must have 3" space between plates.

SECTION 2- FUEL SYSTEMS

1. A limited capacity (of 6 gallons or less) metal tank or boat tank is required as a replacement gas tank. Relocation of factory tank to inside cab okay must fit centered and in front of rear axle.
2. You **MUST** solidly mount the tank in the interior of the car, ahead of the rear axle with bolts, straps, and washers. no bungee or plumber tape
3. Rubber fuel lines located inside the passenger compartment **MUST** run through a second larger hose such as a garden hose to prevent accidental spillage on the driver in the event of a leak. must be wrapped in red tape and say "Fuel Line"
4. A hole **MUST** be made in the floor board for a fuel runoff.
5. Electric fuel pumps are optional.
6. If an electric fuel pump is used, you **MUST** clearly mark how and were to shut off fuel pump with white paint.
7. Gas tanks may **NOT** be bolted to the frame in any fashion, floor board or spreader bar only.
8. Gas tanks may **NOT** be used as a kicker to keep the frame from dropping or moving forward/backward. *Subject to Tech approval*

SECTION 3- BATTERIES

1. Batteries **MUST** be relocated to inside the car.
2. Battery must be covered, recommend full enclosed battery box, and securely fastened to the floor. With bolts, straps and washers.
3. In **NO** way may it be connected/bolted to the frame.
4. The lid **MUST** be securely fastened.
5. Two (2) batteries maximum.
6. Switches and/or wires used for powering off the car **MUST** be within reach of the driver while harnessed in.

SECTION 4- SAFETY BRACING

1. A front cross brace **MUST** be installed above the steering column from the window post to window post (in the former position of the dash board **if dash board is removed**. Original dash board is optional. - It **MUST** be made of a minimum 3" pipe/square tubing with 1/4" wall thickness. - If a 2-piece pipe is used, it **MUST** be securely fastened so that it cannot collapse,

either welded or with a minimum 3/4" bolt. - The dash bar in NO way may touch or be bolted to the frame of the car.

2. A rear cross brace may be installed from door inner skin to door inner skin, as close to the door post (B post) as possible. - MUST be at least halfway up from the floor -MUST be made of a minimum 3" pipe/square tubing with plate welded on the ends. -The end plates may not extend more than 15" past cross bar (towards rear of the car). - The cross brace MUST be bolted with minimum 3/4" bolt per side, extending through the side irons. - If the cross brace is collapsible, it MUST be pinned with minimum 3/4" bolt or welded so it can't rotate.
3. All cage material MUST be no larger than 6" O.D. (outside diameter), unless specified otherwise. - It MUST be a minimum of 4" off the floor everywhere EXCEPT the down legs going straight down. -MUST be a minimum of 4" off the transmission tunnel.
4. ALL BARS MUST BE STRAIGHT. OPTIONAL: If floor boards are rusty, you may run MAXIMUM 2" pipe/square tubing over to the inner rocker panel sheet metal. - It MUST be welded. NO BOLTING of this bar! - This bar may NOT be welded to the frame!
5. All cars MUST have a minimum of one (1) upright (vertical) post. - Upright MUST be located directly behind the driver's seat -MUST be made of a minimum 3" pipe/square tubing with a minimum 10"x10" plate welded to the top -The upright will extend from roof to the floor. - Needs to be located as close to the seat as possible. -It MUST be attached with a minimum of two(2) 1/2" bolts on each end. -If using a 2 piece upright, the female end MUST be above the helmet level, UNLESS it is welded or solidly pinned with a minimum 3/4" bolt. - May add a 2nd upright on the passenger side of the vehicle. - Uprights may in NO WAY be connected to the frame. 6. Both front doors MUST be reinforced with a minimum 6" wide, 3/16" thick channel - The side iron MUST start but be no more than 6" ahead of the front door seam. - Door bars MUST not extend over the edge of the wheel well openings. -The iron MUST be bolted with a minimum of 4 bolts at least 3/4" that extend through the inner panels. - Backing plates (washers) MUST be used and be a minimum of 6"x6"x3/16"thick on both the front and rear ends of the door bars. - The front bolt MUST be located through the A pillar/electrical knockout. - At least one (1) other bolt MUST go through the plate connected to the rear cross bar. - The ends of the side irons MUST be cut at a 45-degree angle. **-IF YOUR DOOR BAR COMES OFF DURING THE DERBY, YOU WILL BE DISQUALIFIED**

SECTION 5- SEAT AND SEAT BELTS

1. An approved 4-point harness is recommended. - If using stock seat belt, it needs to be mounted to stock mounts or have a 2" minimum flat washer where it is mounted through the sheet metal.
2. Seat can be OEM stock of any make/model car - Honda Prelude/CRX seats are not recommended
3. You MUST put a headrest on the upright behind the seat if the seats are not already equipped with a headrest
4. NO fiberglass, plastic, or unpadded racing style seats.

SECTION 6- WINDOWS AND WINDOW SCREEN

1. A protective screen MUST be installed in front of the driver if windshield is removed.
2. Cars with a sunroof are allowed as long as the opening is securely covered with sheet metal.
3. Two(2) quality window bars can be placed vertically down the windshield from top to bottom. This is optional. - Window bars MUST be bolted with minimum 5/16" and maximum 1/2" bolts. - NO sheet metal screws are allowed to fasten window bars. Window bars are for driver protection, not car reinforcement. -Window bars can NOT be welded in place.
4. Optional rear window bars may be added. - NO more than 6" extension on the roof. - MUST NOT contact the deck lid, trunk pins, trunk plates, or frame in ANY way. - Maximum two(2) parallel with the roof. - They may be NO more than 2"x1/2" thick stock.

SECTION 7-BRAKES

1. Cars MUST have a minimum of two(2) working hydraulic brakes or a drive line brake.

SECTION 8- TIE-RODS AND WHEELS & TIRES

1. Any air tire allowed. - i.e. DOT, Forklift, Skidsteer, etc.
2. NO studded tires.
3. NO duals.
4. Valve stem protection is permitted.
5. Tie-rods may be reinforced -MUST have stock tie-rod ends.
6. Recentering is allowed.
7. NO beadlocks.

SECTION 9- NUMBERS, SIGN BOARDS AND FLAGS

1. Car numbers will be painted on the roof or sign board.
2. Numbers MUST be at least 18" high and minimum 2" thick.
3. MUST be in CONTRASTING COLORS. - i.e. black numbers on a white board. -including custom signs * IF SIGN BOARD OR ROOF NUMBER IS UNREADABLE, THE CAR WILL NOT PASS INSPECTION UNTIL CORRECTED.

RULES

1. Aftermarket parts allowed- Gas tank, shifter, drive line, battery box, SMALL distributor protector, steering column, tires, intake manifolds and headers.
2. Doors can be welded 3" on 3" off with 1/2 inch rolled or max 2" by 1/8" flat stock.
3. Drivers door can be fully welded with 1/2 inch rolled or max 2" by 1/8" flat stock.
4. Cage minimum rear seat bar with an upright to the roof or halo bar with 10"x10" end plates.
5. NO kickers of ANY kind.
6. Gas tank protector MUST be centered, 24" O.D. wide and 4" from the back-sheet metal
7. If the crush box is located in front of the core support, it may be removed.
8. Original passenger car bumpers only OR 3" by 3" 3/16" square tube.
9. NO pointy bumpers.

10. Bumper can NOT be wider than the center of each tire.
11. Weld front bumper to existing brackets with no added fill OR a 12"x4"x3/16" plate with the last 5" bent to an "L" may be welded to the outside of the frame to securely mount the bumper.
12. NO shock tubes or anything may be inside the frame.
13. Two(2) front and rear bumper straps are allowed.
14. Straps MUST be no more than 24"x2"x1/8" OR 3/8" chain. One wrap.
15. NO core support modifications.
16. Trunk must be chained shut or welded with 1/2 inch rolled or max 2" by 1/8" flat stock.
17. Door bars MUST not extend over the wheel well openings.
18. You may stiffen your rear suspension. But all shocks and struts must be in be able to compress and extend off car.
19. One wrap of chain to secure the unibody to the subframe per frame rail. MUST be between fire wall and core support.
20. Rims MUST be factory O.E.M steel rims
21. Valve stem protectors allowed, nothing else.
22. Hoods can be bolted or chained a maximum of 4 places, can not connect to frame.
23. 30. MUST cut a minimum 12" hole over valve cover/carburetor for fire access.
24. Rear axle must be stock for make and model of car.

Any amendments or addition information regarding rules will be updated as they come and posted.

THANK YOU