

Primghar Jaycees

Figure 8 Race Regulations

(Revised 2010)

Car Regulations

- 1. Car:** Only rear wheel drive, passenger sedans and station wagons are allowed. No pickups, panel trucks, four-wheel drives, convertibles or hearses. Car must be stock-style in steering, frame, and suspension (aftermarket upper A-frames are acceptable). Cars must have a minimum wheelbase of 106 inches.
- 2. Car Numbers:** Car numbers must be painted on both front car doors and on top of the car, in neat 18 in. or larger numbers. The number on top of the car will face the infield judges stand so the Judges can see it plainly. A 4-inch. number will be required on the rear of the car, to be visible to the drivers behind you in the line-up. Numbers are to be painted in a color contrasting with the color of the car. No advertising on the front doors. No profanity will be painted on the car.
- 3. Roll Cage:** Cars must have a minimum 4-point roll cage and it must be sufficiently constructed as to support the weight of the car over the driver. X-bracing behind the driver and gussets at all major pipe intersections are required. The main parts of the cage (halo, uprights, X-bracing, and door bars) will have a 1 3/4" O.D. minimum. Roll cage must include a minimum of 3 horizontal door- bars. These bars must be flared outward into the door panels. There should also be a minimum of 3 vertical support bars in each door support. These supports should be staggered through out the door and not in a straight line. Three support bars should extend from the bottom door bar to the frame on driver's side and one support bar on passenger side. The usage of a 2&1/2' X 2' steel plate, with a minimum thickness of 1/8", welded to the outside of the driver door bars, but under the door skin. Plate not to exceed the dimensions of the drivers door.
- 4. Racing Harness:** A 5-point racing harness is required. Seat and harness must be attached to the roll cage securely (per manufacturer's instructions). Racing harness may be used no more than 5 years from the date printed on the belts. If the manufacture date isn't legible, get a new harness.
- 5. Engine Mounts:** Chaining and welding are permitted. Motor must be in the front 1/3 of the vehicle.
- 6. Windows & Glass:** All windows, headlights, antennas, outside mirrors, and tail lights must be removed. All cars must have an operational, and clearly visible, red brake light (Minimum 3" in diameter) in the rear window. All side windows (except driver's window net) must remain uncovered
- 7. Window Net & Screens:** A racing window net (ribbon or net) is required on the driver's side window. The mandatory location of the release mechanism will be on the top portion of the A-pillar. Screens must be on the windshield ahead of the driver. Screen should be 1/2" X 1/2" maximum hole. Two 3/8-inch support rods should be in front of driver with a 12-inch gap between them, centered by the steering wheel. 1/3 of the front windshield must be left open or the entire windshield may be covered with a 12 x 12 in. hole cut in the screen to allow easy access to the toggle switch. Sharp edges should be removed or covered.
- 8. Ignition Switch:** An approved, clearly visible, and brightly painted switch, placed up and to the right of the steering wheel and clearly marked "On/ Off", must be wired to the ignition system such that the engine shuts off easily. If that switch is not easily accessible from the passengers side, a second switch that is easily reached from outside is required and must be an approved switch.

- 9. Battery:** Battery may be mounted under the hood or inside the car. If located in the driver's compartment, the battery must be in a steel box with a steel cover and mounted securely.
- 10. Doors:** Doors must be welded or chained shut. See rule #3 "Roll Cages" for further door details.
- 11. Hood:** Hood must be in place and have a minimum 12 inch diameter hole cut for fire extinguisher hole. Air cleaners should not obstruct the fire hole. Car hood must be fastened appropriately.
- 12. Exhaust System:** Rear exit, stock cast-iron exhaust manifolds are required. No ram style or center dump manifolds are allowed. Exhaust pipes should extend down to the bottom edge of the frame rails but not below or under. Longer pipes are optional, but must be properly secured. No H, X, or Y-Pipes allowed. A maximum of 2 ½" exhaust pipe is allowed.
- 13. Fuel System: Tank:** The gas tank must be an approved container (fuel cells in a metal box are recommended, stock tanks are not acceptable). The gas tank must be placed in the trunk. There must be an adequate metal firewall behind the rear seat. There must be a minimum 5" drain hole cut in the bottom of the trunk. The gas tank must be properly secured and reinforced (as to prevent fuel spillage resulting from collision). Tank must have a vent tube with working 2 way check valve. Lines: Stock steel or braided fuel lines must be used beneath the car, and may not enter driver compartment. Pump: No electric fuel pumps allowed. Fuel: No more than 20% alcohol.
- 14. Cooling System: Radiator:** Only one radiator will be allowed, and it must remain in the stock position. No reinforcing ahead of the front plane of the radiator for the entire width of the car. Light channel iron or angle iron may be used along side of the radiator as to support the radiator only. Reinforcing of these supports may cause disqualification of the car. Only window screening will be allowed in front of the whole radiator to protect it from debris. Tin will only be allowed around headlight area. no tin or any other covering will be allowed inside the engine area around the radiator area as to prevent officials from seeing front-end bracing. Transmission Coolers: Tranny coolers must be mounted in front of the radiator. Steel lines or approved hydraulic hose must be used with no more than 12" of rubber line. Rubber line may only be used to fasten cooler to steel lines.
- 15. Bumpers:** Stock style only. Bumpers must be attached securely and may not be raised or lowered or flipped upside down from stock position. Bumper ends must be bent inward and any loose metal removed. Bumper supports shall not be longer than 6" (measured from frame horn to back of bumper). Bumpers may have absolutely no additional bracing aside from the two bumper supports. A maximum of 3/8" metal may be used for bumper supports. Bumpers may not attach to the front fenders or any other front end sheet metal. Bumper safety chains are required.
- 16. Bracing:** Bracing in engine compartment that is parallel to the frame along fender structures must not be greater than a 2 inch pipe. Bracing larger than this will not be allowed. This bracing must not break the plane of the radiator. This bracing must not attach to the roll cage or run completely through the car. There should be a 2" gap between the firewall and any support bracing. This bracing is allowed only to support fender structures. No fender flares will be allowed by the front wheels. Cars should be stock in appearance in front fenders. If door panels must be flared to accommodate the support bars of cage then that width must be maintained until reaching the rear bumper. Up to 1" X 2" rub rails may be used. Must be of a hollow tubing variety, and securely fastened.
- 17. Tires:** Only IMCA approved, or stock passenger car style tires are allowed No recap tires. All tires must have lug nuts present and tight. One-inch lug nuts are required. Remove wheel weights.

- 18. Fenders:** All cars must have front fenders to start the night.
- 19. Brakes:** Front and rear brakes must be operational.
- 20. Differential:** Only rear ends from stock passenger cars will be allowed. No pickup rear ends.
- 21. Cars must have:** the front 1/3 of the vehicle painted in a light or bright color. White, yellows, light or neon greens, oranges, and bright reds are acceptable choices.
- 22. Drive Shaft:** Must be completely painted white, and a drive shaft loop is required on the front 1/3 of the shaft.
- 23. Fire Wall:** Firewall must be in stock position. If not a stock firewall, it must pass an official inspection.
- 24. Sheet metal:** All cars will have stock sheet metal or the replacement there of with metal 20- gauge thickness or less.
- 25. Seats:** Seats must be fastened securely directly to the roll cage, with use of an aluminum racing seat being recommended.
- 26. In Car Communication:** No electronic communications will be allowed in the cars.
- 27. Floor Pans:** Floor pans must be stock style (no cock-pitting). If using a fabricated floor pan, it must not extend higher than the stock transmission tunnel anywhere in the driver's compartment, and must pass an Official's inspection.

2010 Race Schedule

June 5th, 19th, & 26th

July 10th, 17th, & 21st

August 7th & 21st