

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

Primghar Jaycees

Figure 8 Race Rules

(Revised 2010)

Race Rules

1. Judges decisions will be FINAL! No decisions will be changed. No discussion will be held on the track.
2. All races will have a running start -- keep a tight pack.
3. If a car kills after lining up and fails to start under its own power, it will be pushed off the track and out of the race. If the car can re-fire before it has left the track, it will restart in the back of the pack.
4. Once a car comes onto the track it will not be allowed to pit and return.
5. If a car fails to show for its race, the officials will move the cars directly behind the missing vehicle straight ahead during line-up. Any car not on time for its race may be placed at the back of the pack.
6. Inside front row will be considered as the pole position.
7. In case of a Red Flag, STOP! Judges will arrange a restart with lapped cars being placed in the rear of the lineup. If a car has an altercation while trying to stop for a red flag, judges will determine if it will be allowed to restart the race. The car for which the red flag was thrown may race if it can get moving again under its own power. The car for which the red flag was thrown may be placed at the back of the pack during the restart. The leader in front at a restart will have his/her choice of inside or outside front row.
8. If a red flag occurs with 4 laps or less remaining in the race, the officials may line-up a restart in single file. This will not occur if there are more than 6 cars remaining in the race
9. In case of a red flag during the last lap, there will be no restart. The checkered flag will go to the car that was leading after the last fully completed lap unless the red flag was thrown for the leader. The leader and the rest of the field's finish will be dependent upon who was at fault for the red flag.
10. If a "dead car" is considered to be in a dangerous position during the race, it will be removed before the race continues. If the car re-fires before being pushed off, the car may start at the rear of the field, a second infraction will result in disqualification.
11. Cars must have a forward gear when pulling onto the track. If you should lose your forward gears during the race, you may complete no more than one lap in Reverse.
12. Southbound cars have the right of way. Anyone who hits a southbound vehicle, or obviously makes a southbound vehicle yield, will be black-flagged.
13. Anyone pushing or hitting another car intentionally and/or not trying to place high in the race will be black-flagged. Bang boarding is not allowed. No team driving. No sandbagging.
14. Any car having a door open, hood or trunk up, or significant metal dragging will automatically be

black-flagged. There will be an automatic black flag for any car who has lost its front bumper, or whose bumper is dragging or swinging out away from the car. If upon collision the hood is buckled to where the driver's vision is hindered the car may be black-flagged. If a car's window net falls down, the race will be red flagged, and that driver will be placed at the rear of the field. A second infraction will result in disqualification.

15. There will be an automatic red flag for any debris on the track. Any car dropping debris on the track will be placed at the rear of the field or black-flagged.
16. Slower cars stay to the inside. Slow cars still moving after the winner has received the checkered flag need not finish total laps to place.
17. During a race or red flag, drivers may not get out of their cars, except in case of a fire or emergency.
18. If you go off the track, you may not return or drive back on. If your car is high-centered, on its lid or side, and is incapacitated; it will be disqualified.
19. Any car deemed to be on fire by an Official will be black flagged.
20. If a car should fail to come out for its heat, it may come out in the first feature at the rear of the field.
21. If a car comes to the second race of the season or later, that car will be assigned to the back of the pack of the first or second heat.
22. If a driver incurs a flat on the front of their car, that driver shall keep their car to the bottom of the track when cornering and the flat tire is facing the crowd. Throwing mud into the crowd is grounds for a black flag.
23. If you should be the driver winning the trophy dash or A-feature, stop on the East side of the track and the Officials will tell you when to pull around.
24. Slower features (E, D, or C) may be combined if there are not enough cars to fill the field.
25. Trophy Dash- Cars competing in the Trophy Dash will be the top-ten high point cars that show that night. Once a car wins the Trophy Dash, it will not be eligible to compete in the Trophy Dash for the remainder of the season. The top ten eligible drivers will be asked at Intermission who will participate in that night's Trophy Dash. At that time, if any drivers decline, the field will be filled with the next eligible point drivers. Each night we will draw for starting position. Cash awards for the Trophy Dash are as follows: 1st-\$75, 2nd-\$40, 3rd-\$30, 4th on down \$10 (must finish).
26. Tagging Up- Winners of the E, D, C, and B Features have the option of tagging up into the next Feature, in the final starting spot. Once the eligible car enters the pit, or returns to the track from the cool and fuel area, the decision is final. Cars will be allowed 2 minutes to be cooled and refueled ONLY! Cars will not be allowed to change tires. Only 3 members of the car's pit crew will be allowed by the car. Any driver choosing to tag up to the next Feature will lose the points earned in the previous Feature. The driver will be awarded 10 bonus points per feature tagged up into (20 bonus points maximum) whether they finish or not.

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Driver & Pit Regulations

1. Pre-Season Inspection- Inspection is again mandatory. Driver need not be present at this time.
2. Pits will open no more than 2 hours before race time, and close 1 hour after the last race of the night. All cars must be present 1 hour before the first race to be inspected. All cars must pass an official's inspection before racing. Cars will be randomly checked through out the racing season.
3. Fighting will not be tolerated. Any drivers or pit crew acting in an irresponsible manner will be subject to suspension for the remainder of the season or more. When a driver is suspended; that driver and number will not be allowed to race during the suspension. Any suspended person will not be allowed in the pits before, during, or after the races until the suspension is completed. Suspensions carry over from race to race and into the next season if necessary. A suspended person must leave pit area immediately or face further sanctions.
4. Drivers Safety Equipment- Fire Suits & Gloves: All drivers competing are required to wear a minimum of a single layer Proban or Nomex racing fire suit and equally protective racing gloves (no Mechanix Gloves). All drivers and pit crew are asked to wear light colored shirt for safety reasons in the pits. Helmets: Drivers must wear a racing, snowmobile or motorcycle helmet. Full-face helmets are recommended. Neck Rolls: Racing neck rolls are required.
5. Minimum Age: Drivers must be at least 16 years of age. Drivers under 18 years of age must have a consent form signed by one parent before an active Jaycee.
6. Pit crew and drivers must stay away from the fire department. When lining up for the next race, drivers must stay in their cars. No pit crew on the racetrack at any time. Keep road from track through pits open and clear at all times.
7. Multiple Cars: Anyone may enter any number of cars, and anyone paid may drive them. However, only one car with the same number will be allowed to race per night. Car numbers may not be changed once the first race begins. Anyone driving more than one car will not receive special scheduling.
8. If you bring a cutting torch, you must have a Class B or C fire extinguisher with you.
9. No cars on the racetrack after the races have ended.
10. Pit Admission: \$10 per person to enter the pits. Anyone that enters the pit or racetrack must sign the release form. No children under 15 are allowed in the pits.
11. Pay Points: will be considered as 18 or more points obtained in a single race. Points stay with the car, not the driver. Prize money will be paid at the following race to the person to whom the car is registered on the entry form.

12. Registration: \$20 dollars annual fee per car number. Registration fee will not be refunded. Make all checks payable to the Primghar Jaycees. Registration fee (due no later than the first night of racing) is required to preserve your number. No limit to the number of cars that can register per year. The first night of racing all cars that are registered will be allowed to race. For all subsequent races only the top 72 cars will be allowed to race for that night. The top 72 cars will be determined by the previous points totals. Any car not placing in the top 72 will be allowed to race if one of the top 72 qualifiers is a no show. The top 72 qualifiers will have until 15 min. prior to the start of the 1st race to arrive at the track with their car.
13. All racers will pit inside the pit gates. Once a car has entered the pits, it may not leave until the conclusion of that car's races.
14. Drivers must be signed in and have paid entry fee before driving in first heat of the night.
15. Packing the Track: Drivers will be informed of which night everyone will be required to help pack the track. Pit steward will make the determination regarding packing the track.

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