

2017 INDIAN 500

Car Construction Rules

This event is for the enjoyment and benefit of the Little Braves and Princesses. Of primary importance are the lessons learned from following a set of rules, good sportsmanship and teamwork between Big Braves and their Little Braves/Princesses. With that in mind, Little Braves and Princesses should do as much of the construction as possible within their capabilities, but should not do car-building tasks that could cause personal injury or harm to themselves or others. A secondary goal is the participation in a friendly competition with their peers. Official car kits will be distributed by your Tribal Chief. When you get your kit, check that all contents are there (one car block, two wooden axle dowels, four wheels and four screws), and contact your kit source if parts are missing.

Rules for the Race

Official Race Rules are below. A copy of these rules and the race schedule may be found on the Longhouse of the Orange Skies Non Profit web site. Refer to <http://orangeskieslonghouse.org> If you have any questions about the rules ask your Nation Chief.

Car Qualification

1. The body and the axle dowels must be made from wood, but you may use wood other than that supplied with the official car kit. You may elect not to use any wooden dowels at all (i.e. Screw the wheels directly into the block of wood).
2. The car's wheels and axle screws **must** come from the official car kit distributed by the Longhouse.
3. Wheels may not be **modified** except to remove burrs and or minor mold imperfections. Wheels that have been modified more significantly in any other manner will be disqualified. This includes machining the wheels with a lathe, or drill press etc., Reshaping, truing, balancing, creating spokes, pointing edges, and flattening edges etc. See examples of wheels that are not allowed on the website. Cars made with such changes can be raced in the dad's conforming race.
4. All four wheels **must** be rolling on the ground when the car is moving forward.
5. Maximum car dimensions: width **2.75 inches**, length **7.5 inches**, height **3 inches**, maximum weight **6 ounces**.
6. Selection of weights and decorations shall be at the car-builder's discretion.
7. Only dry lubricants may be used for racing on the axles/wheels.
8. Gravity is the **only** acceptable method of propulsion.

Car Disqualification

1. Any car that fails to meet the standards set forth in the above "Car Qualifications" list will be disqualified.
2. Wheel bearings, washers, spacers, and bushings **are prohibited**.
3. No part of the car **shall extend under** the starting gate.
4. Projections from the car that extend beyond the wheel/axle screw width **are prohibited**, as this could interfere with a competitor's car in the adjacent lane.
5. Sticky substances/materials applied to the front of the car, springs or starting devices, **are prohibited**.
6. Any method of propulsion other than gravity will disqualify the car.

Car Registration and Inspection

1. Make final adjustments **prior to registering your car**. Lubrication must be applied prior to registration.

2. All cars will be measured for width, length, height, weight and wheel compliance as listed in the car qualification section. Cars that do not conform to the listed rules may be allowed to participate in the race but will not be allowed to win a trophy, and will not be given an official time or place in the event. The car will also not be allowed to advance on to the next round of racing (from Nation to Longhouse finals or from Longhouse finals to Longhouse Championship Race).
3. The car may not be modified after it has been registered. The only exception to this rule will be if the car is damaged during the race. Repairs may only be made with the consent of the race director.
4. All parts, including weights, must be securely fastened to the car. Any part falling off the car after registration **may not be re-attached**.
5. Big Braves may **NOT** modify or touch the car after it has been registered. Only Little Braves/Princesses may touch their own car when instructed to participate in the race. The only exception to this rule will be if the car is damaged during the race and you are given permission.
6. For the Nation Races, if there is any question regarding Car Qualification, the Nation Chief will rule on the qualifications of the car. His decision is final.
7. For the Longhouse Guides or Princess Finals and for the Longhouse Championship Race, if there is any question regarding Car Qualification, the Chief of the Longhouse or his designee will rule on the qualifications of the car. His decision is final.
8. Registration will be closed fifteen (15) minutes prior to the first race for your respective Nation.

Design Awards

Design awards will be given for 1st and 2nd place. All participants not receiving either a 1st or 2nd place design award will receive a 3rd place design award. Awards will be given to each of the following three grade levels:

1. Kindergarten & 1st grade.
2. 2nd & 3rd grades
3. 4th grade and over.

Cars will be judged for appearance in only one of the following design classes.

Stock: Looks like some sort of car.

Custom: Looks like something that is not a car; such as a piano, dog bone, shovel, etc.

Indian: Displays Indian-type accessories or themes, or places or events in nature.

The race committee shall have the option to move a car from one category to another in order to even out the distribution among the categories.

Design Judging

Judges will consider the following criteria when evaluating the cars:

- a. Originality of Design (Body Style).
- b. Little Brave/Princess effort put into shaping, finishing the car surface, and painting the car.
- c. Quality of paintwork and designs by Little Brave/Princess.

Dad's Car Classifications for the Conforming and Unlimited Races

1. Conforming car – Dads who want to build and race an Indian 500 car in the dad's conforming race, must conform to most of the car building rules set forth above. Cars must use a wooden body and the wheels and screws from the kit. Wood dowels are optional. The wheels may be altered in any manner. The car dimensions and weight must comply with the Car Qualification rules.
2. Unlimited Car – Dads can build an Indian 500 car using the kit wheels and screws with any type of body, dowel axle and propulsion method (except fire/flammable type). Past racers have built fan-powered cars, electric motor cars and CO2 powered cars.