

Pack 824 Cub Scout Pinewood Derby Rules

CAR SPECIFICATIONS:

- Width — 2 3/4"
- Length — 7"
- Weight — Not over 5 ounces
- Width between wheels — 1 3/4"
- Bottom clearance between car and track — 3/8"

RULES:

- Wheel bearings, washers and bushings are prohibited.
- The car shall not ride on springs.
- Only official Cub Scout Grand Prix Pinewood Derby wheels and axles are permitted.
- Only dry lubricant is permitted.
- Details, such as steering wheel and driver are permissible as long as these details do not exceed the maximum length, width and weight specifications.
- The care must be free-wheeling, with no starting devices.
- Each car must pass inspection, the owner will be informed of the reason for failure, and will be given time within the official weigh-in time period to make adjustment.
- After final approval, cars will not be reinspected unless the car is damaged in handling or in a race.
- Cars must be new built for the derby year, no re-runs or repaints.
- Purchasing and racing a completed car is strictly forbidden. Please build it yourself.
- Cars must not be taller than 4 inches to ensure that they clear the finish line mechanism.
- The car must be made primarily from pinewood. Non wood embellishments and decorations can be added given that they fit within the size restrictions and are permanently affixed.
- The wheelbase can be adjusted, but front wheels should not extend past the front of the wood chassis and similarly the rear wheels should not extend past the back of the wood chassis.
- Each car must have 4 wheels. It is allowable for one wheel to not touch the track. All wheels must be square to the car sides and not exceed a 10 degree camber.
- The car must have a flat front end that will rest upon the starting pin. No part of the car shall extend beyond the starting pin.
- Wheels cannot be shaved, narrowed or rounded. They must maintain their factory provided shape and appearance. It is allowable to sand off small manufacturing imperfections.
- The axles can be polished, but should maintain their essential length and diameter.
- All aspects of a cars appearance and construction techniques will be subject to review by the race committee in an effort to allow for fair racing. Judgement will be at the discretion of the race committee.