



Scout Class

2012 Official Pinewood Derby Rules & Specifications



These rules and specifications supersede the rules that are provided in the Official BSA Pinewood Derby Kit. They are designed to ensure everyone who races is on an even and fair racing level. We hope that everyone understands and cooperates with these rules so the boys can have an enjoyable experience. All decisions made by Judges and Race Officials are final and are not open for debate.

If your car does not meet the following rules and specifications, it will be excluded from the official standings, however, a Race Official may permit the car to race as an unofficial entry.

Cars Allowed

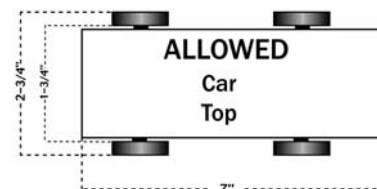
- Cars shall be constructed from the materials supplied from the Official BSA Pinewood Derby Kit.**
- Use of pre-assembled or customized kits is strictly prohibited and will result in disqualification.
- Use of cars from previous years will not be allowed.
- Cars must be of original design.
- Cars competing in the District race may not be altered after competing in a Pack Race, except for applying additional axle/wheel lubrication.

Inspection

- All cars competing must pass inspection at the check-in table before being allowed to race.
- Race Officials have the right to disqualify cars which do not meet these specifications.**
- All cars are subject to re-inspection at anytime during or after the race.**
- After a car has passed inspection, it can only be handled by a Race Official. If you need your car back before the races begin, it must go through the inspection process again.
- Cars may only be handled by Race Officials after car check-in.
- If minor repairs are needed during the race, they will be performed by the car owner under the supervision of a Race Official and will go through the inspection process again.
- Cars will not be given back to their owners until all cars have finished racing.**

Overall Dimensions

- Overall width of the car shall not exceed 2-3/4 inches.**
- Overall length of the car shall not exceed 7 inches.**
- Minimum width between wheels shall not be less than 1-3/4 inches.
- Original slot locations must be maintained for axle placement.** Axle distance is approximately 4 3/8 inches from the center of the front axle to the center of the back axle. **NOTE: Cars with extended wheel bases will be disqualified.**
- Minimum ground clearance should be 3/8 inch to allow sufficient clearance from the track.**
- Maximum ground clearance of the front edge should not exceed 1 inch to prevent the car from extending beyond the starting pin.



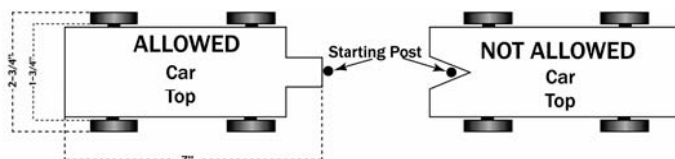


Weight

19. **Weight of the car shall not exceed 5 ounces. The official scales used at check-in shall determine the car's weight.**
20. Weight added to a car must consist of non toxic material (wood, metal, plastic, etc.) and it must be securely attached or built into the body.

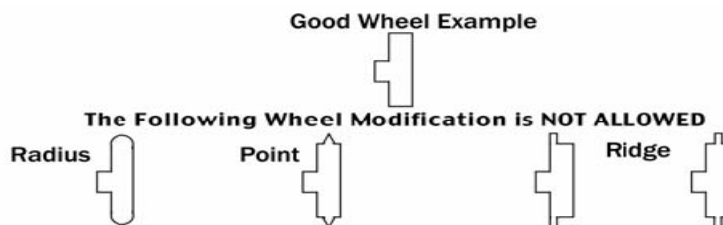
General Construction and Design

21. **Axles (nails), wheels, and body shall be constructed from the materials supplied in the Official BSA Pinewood Derby Kit. Solid axles or sports wheels, such as PineCar brand, are prohibited.**
22. Anything not provided in the official kit is considered an accessory and must be firmly attached to the vehicle and adhere to the same standards covered in overall dimensions.
23. Cars will rest against a starting pin, therefore it is advisable that they do not come to a sharp point in front.
24. The front of a car must not have a notch.
25. **No loose or liquid materials are permitted in or on the car.**
26. Each car must be free-wheeling with no starting device.
27. The car shall not ride on any type of springs or suspension system.
28. Magnets may not be used either in or on front of the car.



Wheels

29. Wheels may not be altered, reshaped, or modified in any manner except to lightly sand off any manufacturing imperfections.



30. **Wheels and axles must be aligned so that all 4 wheels sit flat on the track at the same time, must be firmly attached and mounted square and straight to the body.**
31. Uses of wheel bearings, washers, bushings, and/or hubcaps are strictly prohibited.
32. **Graphite or other dry type lubricants will be the only lubricants allowed.** Lubrication cannot be applied after official inspection/check-in.

Scoring

33. **Cars will run on each lane one time. The finishing positions will be based on cumulative time, after all heats have completed. The lowest cumulative time will be ranked first.**
34. In the unlikely event of a tie in the top three positions, all cars that are tied for a position will draw a lane and will make one pass down that lane. The position that they finish will be used to break the tie.
35. Judges' determinations as to race winners are final.

GOOD LUCK AND GOOD RACING!!!!