

Cradle of Liberty Council Pinewood Derby Rules

2018

1. An official Pinewood Derby car must be used and having been built within the current scout year (after August 30th)
2. The car weight shall not exceed 5.000 ounces, 141.75 grams. The official race scale will be considered final.
3. The overall length of the car shall not exceed 7 ¼ inches.
4. The overall width of the car shall not exceed 2 ¾ inches.
5. The car must have 1 ¾ inch clearance between the wheels.
6. The car must have 3/8 inch clearance underneath the body.
7. The car must maintain the current wheelbase of between 4" and 4 ½", i.e., no long base cars. 4 ½" center to center of axles maximum.
8. The wheels supplied with the kit must be used. The wheels may not be cut, drilled, beveled, or rounded. You may remove the seam from the wheels. The axles supplied with the kit must be used. They may be polished and/or lubricated.
9. Wheel bearings, washers, or bushings are prohibited.
10. The car must not ride on any type of spring.
11. The car must be freewheeling, with no starting devices.
12. No loose material of any kind, such as lead shot, may be used.
13. The shape of the car must not allow it to "stage" further down the track at the starting gate. No sharp pointed front ends.
14. A car must have at least four wheels but may have more. At least 3 wheels must make contact with the track.
15. Height of the car shall not exceed 3.00 inches.

Each car must pass inspection by the official inspection committee before it will be allowed to compete. The Inspection Committee has the responsibility to disqualify those cars that do not meet these specifications. Once inspection is complete the car will be impounded and no one but a race official may touch the car.

- If, during a race, a car leaves the track without interfering with its opponent, it shall be considered to have ended its heat at that point.
- If a car leaves its lane, at the sole discretion, the track chairperson may inspect the track and, if a track fault is found which probably caused the initial violation; the track chairperson may order the race to be rerun after the track is repaired.
- If a car is injured (such as a wheel falling off), at the sole discretion, the track chairperson may allow the car to be repaired and re-inspected before continuing to race. A time limit of 5 minutes will be allowed for repairs. Additional lubrication will not be allowed.
- Cars will be scored by the average of all races runs. Each car will run a minimum of once on each lane.

- If, during a race, a car leaves its lane and, in so doing, interferes with another racer, then the car at fault shall be declared to have lost the race heat. The other car(s) may rerun the race.
- Only one car may be registered to any person in the Pinewood Derby race.
- Any dry lubricants such as powdered Teflon “white lube” or graphite will be allowed for lubricating the wheels. Krytox GPL 100 Racing Lubricant (liquid) is also allowed.
Lubricants may not foul the track. Please lubricate cars prior to arrival and before check-in.
- Details such as steering wheel, driver, decals, painting, interior and exterior attachments are permissible as long as these details do not exceed the maximum length, width, and weight specifications or violate a previous rule.
- Cars will be impounded after passing technical inspection.