



Cub Scout Pack 54

Worcester, MA

Pinewood Derby Rules

1. Inspection points:

- 1.1 The car's weight shall not exceed 5.0 ounces. The official race scale shall be considered final.
- 1.2 The overall length of the car shall not exceed 7 inches.
- 1.3 The overall width of the car shall not exceed 2 ¾ inches.
- 1.4 The car must have 1 ¾" clearance between the wheels.*
- 1.5 The car must have 3/8" clearance underneath the body.*
- 1.6 The wood provided in the Official Scout Grand Prix kit must be used. The block may be shaped any way that is desired.
- 1.7 The wheels used must be Official Scout Grand Prix wheels. The wheels may not be cut, drilled, beveled or rounded. You may remove the seam from the wheels.*
- 1.8 The axles supplied with the Official Scout Grand Prix kit must be used. They may be polished or lubricated.
- 1.9 Wheel bearings, washers or bushings are prohibited.
- 1.10 The car must not ride on any type of springs.
- 1.11 The car must be freewheeling, with no starting devices.*
- 1.12 Only dry lubricants such as graphite or powdered Teflon "white lube" will be allowed for lubricating the wheels. Lubricants may not foul the track.*
- 1.13 No loose material of any kind, such as lead shot, may be used.
- 1.14 Only one lubrication is allowed before the beginning of the first race.
- 1.15 Details such as the steering wheel, driver, decals, painting, and interior detail are permissible as long as these details do not exceed the maximum length, width, and weight specifications.

* Track safety inspection point – this rule prevents damage to the track.

2. A car builder may enter his or her car in one of the three categories.

- ◆ **Cub Scout Class:** A car built by an enrolled Cub Scout or Webelos Scout that passes all of the inspection points.
- ◆ **Sibling Class:** A car built by a relative of an enrolled Cub Scout or Webelos Scout that passes all of the inspection points.
- ◆ **Unlimited Class:** A car built by a Scout Leader, Den Chief or relative that passes all of the track safety inspection points and that does not exceed a weight of 1 pound.

3. Each car must pass inspection by the designated adults before it will be allowed to compete. The Cubmaster has the responsibility to disqualify those cars that do not meet these specifications.