



# 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 inch clearance between the wheels.\*
- 1.5 The car must have 3/8" inch clearance underneath the body.\*
- 1.6 The maximum height of the car is 3 inches.\*
- 1.7 The wheelbase (distance between the front and rear axles, center to center) may not be changed from the kit distance of 4-3/8" ±0.4".
- 1.8 The wood provided in the Official Scout Grand Prix kit must be used. The block may be shaped any way that is desired.
- 1.9 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.\*
- 1.10 The axles supplied with the Official Scout Grand Prix kit must be used. They may be polished or lubricated.
- 1.11 Wheel bearings, washers or bushings are prohibited.
- 1.12 The car must not ride on any type of springs.
- 1.13 The car must be freewheeling, with no starting devices.\*
- 1.14 Only one lubrication is allowed before the beginning of the first race. Only dry lubricants such as graphite or powdered Teflon "white lube" will be allowed for lubricating the wheels. Lubricants may not foul the track.\*
- 1.15 No loose material of any kind, such as lead shot, may be used.
- 1.16 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.
- 1.17 Weights may be added to increase the weight and/or alter the weight distribution of a car.

\* 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.
- ◆ **Miscellaneous Class:** A car built by someone other than a Cub Scout or Webelos Scout that passes all of the inspection points.

#### 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.