



# 2016 FORKS OF THE DELAWARE DISTRICT PINEWOOD DERBY RULES

## Forks of the Delaware District Pinewood Derby Car Fitness Rules

**Use only the Official Cub Scout Grand Prix Pinewood Derby Kit and official Pinewood Derby Wheels.** (References: Cub Scout Grand Prix #33721A, Cub Scout Leader book #33221D, Cub Scout Leader How - To book #33832A and instructions provided in the Official Pinewood Derby Car kit #17006.)

**The maximum overall width (including wheels and axles) shall not exceed 2  $\frac{3}{4}$  inches.**

**The minimum width between the wheels shall not be less than 1  $\frac{3}{4}$  inches, so the car will clear the center guide strip on the track.**

**The minimum clearance between the bottom of the car and the track surface shall not be less than  $\frac{3}{8}$  inches so the car will clear the center strip of the track.**

**The maximum overall length of the car may not exceed 7 inches.** No portion of the car can extend past the starting gate/peg.

**The wheel-base may not be changed from that of the official kit.**

(The distance between front and rear axles must be at least 4  $\frac{1}{8}$  but not to exceed 4  $\frac{3}{8}$ . (The standard grooves are pre-cut at 4  $\frac{1}{4}$ ). You must use the axle slots provided in the kit and they are not too drilled, re-slotted, modified or changed in any way.

**Weight may not exceed 5 ounces. The reading of the official scale is final. The car may be hollowed out and built up to the maximum weight by additional wood or metal (Mercury or Glass may not be used) all extras must be screwed or glued securely to the car.**

**Details such as steering wheels, drivers, spoilers, decals, painting, and interior details are permissible, as long as the details do not exceed the maximum length and width specifications.**

**Cars with wet paint will not be accepted.**

**Axels, wheels and body wood shall be only provided in the Official BSA Grand Prix Pinewood Derby Kit. The only exception is the official BSA colored wheels.**

(Official BSA wheels must be used. The wheels may not be cut, drilled, beveled or rounded. You may remove the seams and imperfections from the wheels. The wheels must show the THREAD marks on the outer edge. The axles supplied with the kit must be used, they may be polished or lubricated but not machined narrower.)

**Axles may not be altered in any way except polishing.** They may be glued in place, so long as a portion of the axel is visible to the judges.



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**Wheel bearings, washers, bushings, and hubcaps are prohibited.** All 4 wheels must make contact with the track surface. (This is tested by free-rolling the car). And this is implied that the full wheel must make contact. Therefore the axles be in straight and the full wheel must be making contact with the surface.

**The car shall not ride on any type of springs.**

**The car must be freewheeling with no starting device or other type of propulsion.**

**Only graphite or powdered Teflon white lube will be allowed for lubricating the wheels.**

**Inspection:** Each car must pass inspection by the official inspection committee before it will be allowed to compete.

The inspectors have the right to disqualify those cars that do not meet the specifications.

**Lubrication will not be allowed after the car has been weighed in.** (Only one lubrication is allowed before the beginning of the first race.)

**Each scout may enter only one car.** (An official number will be issued the day of the race and placed on the car.)

**The car must have been built during the current school year in which the derby is being held.**

**If a car leaves the track, runs out of its lane, interferes with another car, loses an axle, etc., the heat will be rerun.** If the same car gets into trouble on the second run, another car is interfered with, the same car will be disqualified and the heat will run a third time but without the disqualified car. If the race is stopped due to a damaged or a troubled car, a reasonable time of no more than 5 minutes will be given to return to the race or the car will be eliminated from the race.

**All rulings by the Race Marshall are final.**

**The most important values in the Pinewood Derby competition are parent/son participation, good sportsmanship and learning how to follow the rules.** (Any un-scout like conduct from the driver or his accompanying family, will be cause for disqualification for the entire race.)

**All drivers must be in Cub Scout field or activity uniform.** Drivers not in uniform will not race.

**Drivers will get a racing number at the event.** The District Packs will submit names of drivers to the Forks of the Delaware District Executive, prior to this event using the attached form.

**A pit area will be provided for repairing or adjusting cars.** Please bring your own tools, weights etc.

**The CUB SCOUT oath and Law of the Pack applies at all times.**