

Twin Lakes District Pinewood Derby – Rules 2017

I. Registration

- Registration will begin at 12:30pm on February 26th and end at 1:15pm
- Good Sportsmanship is expected at all times by everyone present at the race
- Scout cars must have been constructed this year
- All cars must be registered and pass inspection before being allowed to race based on the rules and specifications
- An approved inspected car will be “impounded” and not touched by anyone but the race officials
- Officials have the right to disqualify ANY car that does not meet all of the stated rules
- Any car that is discovered to be illegal during the competition by a race official will be disqualified from competition
- If a race official makes a ruling and you wish to appeal it, all officials will be assembled and based on majority rule the decision will be upheld or overturned. That decision is Final

II. Racing

- Each car will race once in every lane
- Each race is timed with electronic equipment
- The slowest race of each car will be dropped and the remaining times will be used to determine placement
- in the event of a tie for first place overall a run off will be run between any cars needed
- in the event of equipment failure, the race(s) will be re-run
- If a car jumps the track and interferes with another car then the race will automatically have to be re-run
- If the same car jumps the track again and interferes with another car , then it is disqualified
- If a car jumps the track and does not interfere with another car, and finishes the race it will not be re-run
- If a car jumps the track and does not interfere with another car but does not cross the finish line, it will be given a time of 9.9999
- If an item affixed to the car falls off during a race and in the opinion of the race official the car is still able to race, repairs will not be allowed
- If a car suffers mechanical failure, the owner of the car will be allowed, under the supervision of a race official, 3 minutes to make repairs. No weights, axle lubrication or other modifications can be made or added as part of the repair action. If the car is unfit to race after the 3 minute period, or becomes disabled after further racing, it will be disqualified and taken out of the race

III. Body Specifications

- Width not to exceed 2 ¾" (7cm)
- Length not to exceed 7" (17.8cm)
- Height must have clearance under the finish gate (6 ½")
- Weight not to exceed 5oz. (143.5g)
- Center rail clearance- center rail is 1 5/8" wide by ¼" tall
- The main body structure must be made from provided BSA pinewood derby kit
- Body design may be enhanced by adding other stable materials such as plastic, metal or details, all additions must be firmly attached and fall within size specifications. No loose materials will be allowed on the cars
- No part of the cars body, wheels or attachments can extend beyond the starting peg on the track whatsoever
- The cars may not be powered in any way, i.e. no springs, motors, CO2 cylinders, or any other method of propelling the car down the track
- Lights or other electronics are allowed for show, but must be turned off prior to racing

IV. Axles

- Nail type axles as found in the Official BSA Pinewood Derby kit are to be used
- Modifications to the axles are allowed that include straightening, sanding, polishing, canting, grooving, beveling , as long as the diameter is not reduced, the diameter may not be less than .084" (2.13mm)
- Axles can be mounted by either drilling axle holes (provided the wheels to not extend beyond or behind the car) or inserted into the slots provided on the car. Standard wheelbase is 4 3/8"

V. Wheels

- Only official BSA wheels are allowed, all markings must be intact inside and out, wheels may be colored official BSA wheels
- Tread surface may be sanded, shaved, lathed or polished to remove any imperfections, true roundness, remove mold castings and burrs, but may not be reshape in any way to minimize tread contact or alter aerodynamics
- The fluting (small decorative dots on the edge) must remain visible around the entire circumference
- The tread surface must remain flat and parallel to the bore
- The width of the tread must not be less than 7.5mm
- No removing or reducing the letters or spokes or drilling additional holes
- No rounding, grooving, h-cutting, v-cutting, crowning, tapering or dishing of the treads
- No altering the wheel profile
- No drilling the sidewalls
- No filling of any wheel surface with any type of material
- Wheel bore may not be drilled and refilled
- Wheel bore treatment is allowed including polishing and sanding
- There must be at least 4 wheels on the car, however it is not required that all 4 wheels make contact with the track surface, one wheel may be lifted from the track surface
- Each wheel must be mounted on an axle on the outside of the car on the vertical side of the car