

# 2013 Great Lakes Field Service Council Official Pinewood Derby Rules and Regulations

These rules have been updated this year to make it a fair race for all Cub Scouts regardless of technical ability or craftsmanship. These rules are in effect Council-wide.

Please read the rules carefully, the wheels may NOT be altered in any way this year!

## Car Specifications

**Width:** The width of the car may not exceed 2.75 inches.

**Length:** The overall length of the car may not exceed 7 inches.

**Weight:** The total weight of the car may not exceed 5.000 ounces.

**Ground Clearance:** The minimum ground clearance must be 0.375 inches.

**Wheels and Axles:** The 4 wheels and axles must be those supplied by the BSA in their new kits or the BSA approved "Colored" wheels. No older style wheels with the casting marks in the tread area. **THE WHEELS CAN NOT BE TRIMMED OR TRUED OR ALTERED IN ANY WAY. NO OTHER SUBSTITUTIONS!** (competition wheels sold by hobby shops and modified wheels that have been altered will be disqualified.) **We will NOT have un-altered wheels for sale at these races so do not alter yours!** No hubcaps (stickers on the outside of the wheel). Axles may not be altered in any way, except for polishing. The axles must be the steel axles supplied with the kits. (They will be checked with a magnet.) Wheel bearings, washers and bushings are prohibited. *Note: more people are disqualified for abusing the wheel rules than anything else.*

**Materials:** No loose materials of any kind are permitted, inside or out.

**Lubrication:** Only dry powdered graphite may be used. Cars with any type of liquid oil, synthetic lubes, etc. will not be allowed to race.

**Car Body:** Car bodies must use the block of wood supplied in the BSA Grand Prix Pinewood Derby Kit; Body may be shaped to a custom design within the above specs. Body may be hollowed out and built up to maximum weight, provided all additions are securely attached. The use of altered front ends of cars with "cheater bars" (anything that protrudes in front of the start gate or raises the point of contact to the starting pin) will not be allowed.

**Details:** steering wheels, driver decals, paintings, and exterior details are permissible as long as the inclusion of these details does not exceed the length, width, weight and ground clearance specifications.

**Propulsion:** Gravity is the only allowed method of propulsion.

**Inspection:** Each car must pass inspection by race officials before competition. **Race officials will disqualify those cars, which do not meet these specifications.** Once a car is accepted, only race officials may handle it until race day. On race day only the Scout racing or the race officials may handle them. If a car does not meet the above specifications at the time of registration, it may be modified and resubmitted as long as registration is still open.

**Car Specifications and inspection Decisions:** The Race Official's decision(s) in any car specification and/or inspection matter will be final.

## Race Rules

**Eligibility:** (1) The car must be newly built for the current year by the Scout with parental help if needed.

(2) The car must have competed in their Pack Pinewood Derby and taken 1<sup>st</sup> or 2<sup>nd</sup> place. (substitutions will be allowed if the 1<sup>st</sup> or 2<sup>nd</sup> place racers are unable to attend the Championship race. (Chairpersons discretion)

Note: THE CUB SCOUT (preferably uniformed) RACING THE CAR MUST BE PRESENT THE ENTIRE TIME OF HIS ALLOTTED RACE OR THE CAR CAN NOT COMPETE FOR A TROPHY. NO LATE ENTRIES, NO EXCEPTIONS.

**Maintenance:** Once the Pinewood Derby car has been accepted by the inspection committee, no maintenance of any kind is permitted. No modifications are allowed with the exception of pushing the wheels back on if they become dislodged. All repairs will be made by a race official. Any item other than a wheel and axle that falls off a car, stays off the car.

**Disabled Cars:** If a car becomes disabled during the race, it may continue until it no longer will go down the track, or poses eminent damage to the track, or is eliminated.

**Race Decisions:** The Race Officials decision(s) in any race matter will be final.

Race heats will be re-run when necessary if computer errors occur or interference happens, these re-runs are at the sole discretion of the Championship race officials.

We understand each Pack uses their own set of rules BUT if a car is going to be eligible to race at any of the Council races **this set of rules must be followed or the car will be disqualified.** These rules are in place to make it a fair and fun race for every Cub Scout in the Great Lakes Field Service Council.