

2014 Pack 867 Pinewood Derby

Speed and Show Car Rules

Location: St. John's Church Date: Saturday, March 1st (Races start at 9AM)
Inspection & Check-in: Friday, February 28th, (Registration starts at 6PM)

General Rules – All cars must comply with the following:

1. Cars must be made from the items — block of wood, axles and wheels — in the official Cub Scout Grand Prix Pinewood Derby kit (current release) or BSA parts. **Cars made from pre-cut/pre-shaped pinewood derby car kits will not be allowed to compete.**
2. Cars must be made during the **2013-2014** scouting year. Cars from previous years will not be allowed.
3. Only one car can be entered for each scout.
4. Cars specifications are as follows:
 - Total Width not to exceed 2-3/4" - Width between wheels must be 1-3/4"
 - Total Length not to exceed 7" - Total Height not to exceed 3"
 - Wheelbase must be 4-3/8" - Bottom clearance between bottom of car and track at least 3/8"
5. Cars must not be altered once they have competed in their respective Pack Pinewood Derbies.
6. For District, each car may only be entered in one event — Show or Speed. For the Pack each car may be entered in both
7. Cars entered for Show must still be able to perform the basic functions of a derby car (i.e. have a body, wheels, and be able to fit on the track rails).
8. For District, cars entered for Show do not need to comply with Speed event specifications; however, they may not be taller than 7".

Speed (Fastest Car) Event Rules – Cars entered for Speed must comply with the following additional rules:

1. Cars specifications as above plus the following:
 - Total Weight not to exceed 5.000 oz.
2. Wheel bearings, washers and bushings modification to wheels / axles are prohibited.
3. The car shall not ride on springs (i.e. spring suspension).
4. Wheel footprint (i.e. the portion of the wheel that contacts the track surface) may not be altered, but it may be smoothed to eliminate burrs. Mold seams may be removed, but wheels may not be narrowed, ridged, rounded-over or otherwise changed. No H treads, or V treads.
5. All four wheels must touch the track surface simultaneously. Some minor play will be allowed, as a result of unintentional placement of the axles in the grooves, but gross errors will be disqualified.
6. Wheelbase (distance between front and rear axles) may not be modified; although it may be shifted slightly (i.e. moved forward or backward along the length of the body) should the pre-made grooves not be properly aligned. Axel holes may be drilled to ensure "trueness" but cannot be shifted in order to extend or modify the wheelbase.
7. Axles may only be polished to remove burrs.
8. Only dry lubricants (i.e. graphite, Teflon) are permitted. Wet lubricants (i.e. oil) are prohibited. Excess graphite will be removed during inspection. No hubcaps or wheel coverings may be used to hold lubricant in.
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10. All weights must be securely fastened to the car. No sliding or liquid based weights are allowed.
11. The car must be free-wheeling and gravity-driven, with no propelling starting devices, springs, magnets, etc.
12. If a car breaks down during a race, only the repair or replacement of that part is allowed, and only if it affects the basic performance of the car (i.e. a wheel or weight falls off). The repair must be completed within 5 minutes time or the car will be disqualified.
13. Any car that, in the opinion of the Derby Chair, in conjunction with other Derby Officials, has an unfair advantage over other cars — due to construction, materials, wheels, or rules violations — may be disqualified.
14. In case of close calls or questions, the decision of the Derby Chair is final.

Event Rules:

1. To qualify for the "show category", all participants must be pre-registered the night prior to the race. Lone scouts or walk-ins will not be allowed to participate.
2. Late registrations will be taken the morning of the derby (8:15 – 8:45 AM) , but cars will not be eligible for show category.
3. Graphite **will not** be allowed to be added on the track. Graphite can be used; however, do not use excessive amounts. Derby staff will remove excessive graphite during inspection. Graphite can damage the floor and the track.
4. No scout, parent or leader will be allowed into the race or show areas once cars have been registered, except our "show judges" or to make repairs, and then only under the supervision of a Derby official.
5. During the Pinewood Derby, all scouts, leaders, and parents are expected to exhibit their best scout behavior and manners, and exercise good sportsmanship. No running, disruptive behavior will be allowed at any time. Non-compliance may result in disqualification from the Pinewood Derby.
6. Car must travel the entire length of the track to qualify.
7. For siblings of scouts competing, all rules must be followed. Siblings are eligible within the Siblings categories to win awards for speed and show. Siblings do not participate within the ranks races.
8. Adults-Only Unlimited Race will take place Friday, February 28th after the track is setup; Check in/registration times are the same as above. Like the scouts, the adult racers/cars must comply with General and Speed Event Rules listed above. There will be no judging for show...just speed!