



Wood District

2010

Pinewood Derby Rules District Level



General Construction Guidelines

Car must have been made this year by the Scout using the official car kit. *Any official BSA product* may be used on the car, providing it fits within the other construction requirements.

Visit www.ScoutStuff.org to view the official catalog.

Other brands, such as Pine Car, have different axle spacing and will be disqualified.

No loose materials of any kind are permitted in the car. The car may be hollowed out and built up to the maximum weight only, provided it is securely built into the body.

The underside of the car may or may not be painted.

No notching of the front end. The forward-most point of the car must rest upon the starting pin. Front of car must have at least $\frac{3}{4}$ " flat area at the center to rest upon the starting pin. *(see examples provided)*

Wheels and Axles

Wheels: Only BSA official black or colored BSA wheels are allowed. The wheels cannot be tapered or grooved on edges. Only the ridges (seam line) may be sanded off the tread area. Paint and decoration is not allowed on the wheels. No additional holes in the wheel, wheel shaft, or body area are allowed which applies lubricants to the axles.

Axles & Axle Shafts: Only BSA official axles are permitted. Axles may only be polished to remove any burrs. No other modifications may be made – use slots provided in car only. Official BSA axle guards may be used if desired or the axles may be glued (don't glue the wheels!)

Basic Car Dimensions

Length: Overall length cannot exceed 7"

Width: Overall width cannot exceed $2\frac{3}{4}$ "

Height: Overall height cannot exceed $2\frac{1}{2}$ "

Weight: Cannot exceed 142 grams

Ground Clearance: Minimum of $\frac{3}{8}$ "
(needed to clear the track)

Prohibited Items

Wheel Bearings: No wheel bearings, washers, spacers, shims or bushings.

Springing: The car shall not ride on any kind of spring or suspension device.

Attachments: The car must be freewheeling with no starting device and must go down the track under its own power by gravity.

Lubricants: Only dry lubricants are allowed. The Scout may not apply any graphite or other lubricant after official registration. Any car found to be using lubricants other than those allowed will be disqualified.

Pre-Made Kits: Use the Official BSA Pinewood Derby kit only.

Inspection & Weigh-In

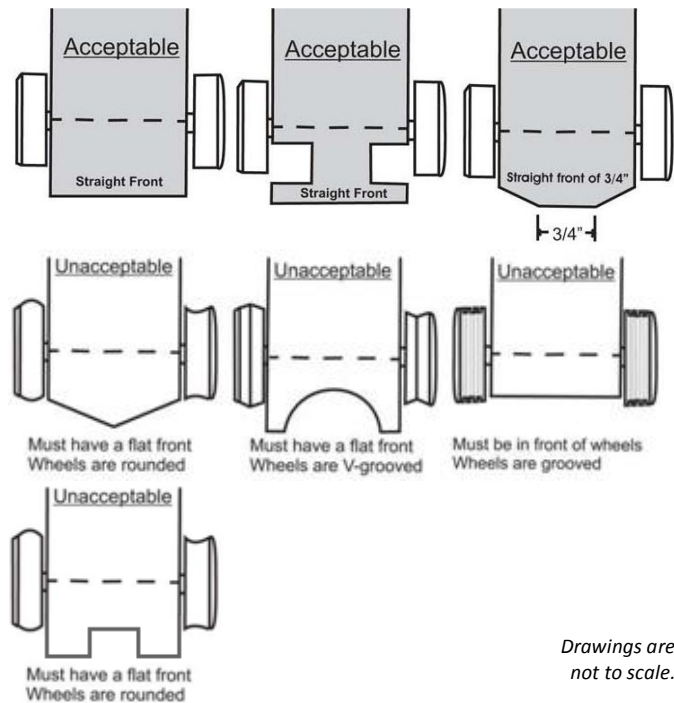
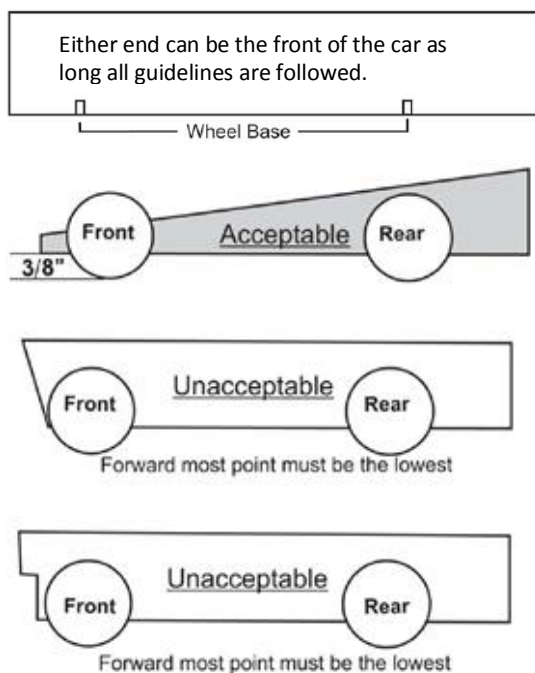
Each car must pass inspection by the Official Inspection committee before it may compete. The inspectors have the right to disqualify those cars which do not meet the above specifications.

This race is intended to be for the boys. Adults should assist the boys with their cars.

Race Format and Rules

1. A double elimination format will be used to determine the winner in each age group. Lanes will be assigned by random drawing.
2. Only the Scouts participating in the race may handle cars during registration and the race. The only exception is if the car needs to be examined by a race official or repaired. Scouts must race their own car.
3. Each car may “weigh in” during the registration period for that age group. At that time the car must meet all requirements as listed in the rules.
4. Weight may be removed or added to the car at registration time, not to exceed the maximum weight of 142.0 grams.
5. All Scouts who competed at the pack level, as Cub Scouts, but have crossed over into Boy Scouts before the District race will be allowed to compete.
6. If a car leaves its lane or track, or any part of the car interferes with any other car during any heat, that car will be declared the loser of that heat. Repairs may be made following that heat, but must be done before the start of the next race that the car may be eligible for.
7. In case of a “Bye” (where in order to keep the double elimination equal, a car does not have another to race against), those cars will be sent down the track alone in order of the entries.
8. Any protest must be made to a race official at the earliest time possible during racing for that age group. The Race Director and two other race officials will be the Protest Committee. Their decision shall be final.
9. Refer to instructions provided with the official kit for further information.

Construction Examples



Drawings are not to scale.