

PACK 31 SCOUT / YOUTH (Age 5 to 12) CLASS PINEWOOD DERBY CONSTRUCTION & RACING RULES

RACING QUALIFICATIONS:

1. Cars must be built with the materials furnished with the official BSA Pinewood Derby Car Kit. The car shall not ride on any type of spring or have any starting devices. The car must be freewheeling.
2. **Width**--Overall car width including wheels and axles shall not exceed 2 and $\frac{3}{4}$ inches. **Length**--Overall car length shall not exceed 7 inches **Weight**--The completed car shall not exceed 5 ounces. The car may be hollowed out and built up to a maximum weight by the addition of solid material provided it is securely built into or attached to the car. Loose or liquid materials are not allowed. **Shape**--The car may be of any style but no part of the car may extend beyond the front bumper, which rests against the starting pin. "U" and "V" shaped front ends are not allowed. The most forward part of the car **must have less than 5/8 inches clearance above the track. The car's maximum height is five inches.**
3. **Axles**--Only the nails furnished with the kit #70000 are allowed. They must be installed parallel to the bottom of the car as to run parallel with the track.
Wheels--only the wheels furnished with the kit OR ACCESSORY KIT #617007 may be used
 - A. Wheels may be lightly sanded to remove burrs (ONLY) the tread area may not be Rounded, grooved, or shaped to a point. Any other tampering with the wheels will disqualify the vehicle; **this includes drilling holes, slots, or lathe turning.**
 - B. No wheel bearing, bushings, or washers are allowed. The wheel must spin on the authorized axle.
 - C. If using hubcaps, one each on the front and back axle must be removable for inspection.**Lubrication**--Any type of **powdered** lubrication is permitted on axles but must be applied prior to weigh-in. Powdered graphite is the most commonly used lubricant. **No liquid lubricant is allowed because of its effects on the track surface.**
4. Details added to the car, such as steering wheel, driver, decals, etc. are permissible so long as they are securely fastened to the car and do not exceed the car's size limit. **Magnets**--No magnetic material may be used on the car.
5. Once the registration fees are paid, and the car is weighed in and accepted for competition, it will be placed in the custody of racing officials and will not be taken out until the car is scheduled to run.
6. Cars will not be touched / modified during the race except by the officials of the race. Emergency repairs to the wheel & axel can only be made by race officials. Modifications to fit track will not be allowed after registration is made. After race begins each car will be handled by the race officials only.
7. **If a car jumps out of its lane during a race, but does not interfere with any other car, the order of finish will not be affected. If a car jumps out of its lane during a race, and interferes with another car, the entire race will be run again. If the same car again jumps out of its lane during the re-race, and interferes with another car, the interfering car will be disqualified and the other cars will re-race. Race officials will attempt to correct the issue with the de-railing car by making adjustments to the axel & wheels; but if the car derails 3 times in one race day the car will be disqualified.**
8. **If it is determined that a track lane is causing the derailing the cars set to race in that lane will be placed back into the brackets, and the troublesome lane will not be used for racing.**

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Registration Fee \$4.00

Registered Owner _____ Registration # _____

Contact Phone _____ Address _____

Check-in Information

	Verified	Checked by Race Official
Weight	_____	_____
Length	_____	_____
Height	_____	_____
Width	_____	_____
Clearance	_____	_____

I agree to abide by the Pack 31 Open Class rules _____(initials); I agree to allow Race Officials to modify / perform emergency repairs as needed between races _____(initials).

_____ Registered Owner _____ Date _____ Fee's Paid

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