

# 2012 Pack 493 Pinewood Derby Rules and Regulations

These are the 2012 Pack 493 Pinewood Derby Rules and Regulations for the racing to be held on January 21<sup>st</sup>, 2012. This is the only set of rules that will be used at the race. **Note: Re-use of a car made in a previous year is not allowed, and submitting such a car is grounds for disqualification.**

All cars must pass inspection to qualify for the race. The inspection process will consist of the following areas.

1. **Material:** All cars must be made from the official Pinewood Derby kit car received for the 2012 Pack 493 Pinewood Derby. Replacement parts can be obtained from the Awards Chairperson.
2. **Width:** The overall width of the car shall not exceed 2- $\frac{3}{4}$  inches
3. **Length:** The overall length of the car shall not exceed 7 inches and the front bumper center must be the furthest point forward on the car. The front bumper center must be no more than  $\frac{1}{4}$  inch higher than the undercarriage clearance of the car.
4. **Height:** The overall height of the car shall not exceed 2- $\frac{1}{2}$  inches.
5. **Undercarriage Clearance:** The underside of the car should not be built down. A clearance of  $\frac{7}{16}$  inches should be maintained.
6. **Weight:** The weight of the car shall not exceed 5 ounces, as weighed on the official Pack 493 Pinewood Derby scale on race day.
7. **Wheels/Axles:** Only wheels/axles that come in the official Pinewood Derby kit will be accepted. Wheel bearings, washers, bushings, decals and hubcaps are prohibited. The car shall not ride on any type of springs. You may sand the wheels to smooth out any surface imperfections, but the treads must be left flat. Any wheels that have been rounded will be automatically disqualified. This distance between the front and rear axles (wheel base) shall be 4- $\frac{3}{8}$  inches. All four wheels need to be mounted straight on the vehicle. The wheel's flat surface needs to be touching the ground while the car is in motion, and all 4 wheels must touch the track.
8. **Details:** Details such as the steering wheel, driver, decals, painting and interior detail are permissible as long as these details do not exceed the maximum length, width, height, and weight of specifications.
9. **Attachments:** The car must be freewheeling with no starting devices. No loose materials of any kind are permitted in the car. The car may be hollowed out and built up to the maximum weight, provided any additional material is securely fastened to the car.
10. **Disqualifications:** The official Pinewood Derby committee has the right to disqualify any car that comes up with a different method to give an unfair advantage in this race, violating the spirit of the Pinewood Derby.
11. **Inspection:** Each car must pass inspection by the Pinewood Derby officials before it will be allowed to compete. The inspectors have the right to disqualify those cars that do not meet the specifications listed in this document.
12. **Repairs:** After the racing has begun, if a problem arises with a vehicle during a race, it will be the responsibility of the Pinewood Derby officials to make the necessary repairs to get the vehicle back into racing condition.
13. **Decisions Final:** The decision of the Pinewood Derby officials, and the Pack 493 Pinewood Derby Chairman, are final.