

Pinewood Derby Rules & Regulations

NOTE: Any violation of Rules & Regulations will result in disqualification from Pinewood Derby Races.

Pack 89 Scout Derby Rules & Regulations

1. All cars must be in compliance with the Blackhawk Area Council Pinewood Derby Car Regulations.
2. All cars will be collected after the races are complete.
3. All cars participating in the Derby must be inspected prior to the start of the first Derby Race. A scout may choose to have someone register the car for him.
4. Modifications to the car may be performed during inspection in order to allow the car to pass inspection.
5. All cars must remain in race area after passing inspection.
6. Cars shall only be allowed to be touched by the scout racing the car and selected Race Officials.

Pack 89 Renegade Race Rules & Regulations

1. Weight: Car and excessories shall not exceed 5 ounces.
2. A car is not allowed to affect any other car.
3. A car is not allowed to damage the race track.

Blackhawk Area Council Pinewood Derby Car Regulations

Attention Pack Leaders:
It is your responsibility to inform the parents and Cub Scouts of your pack of these regulations.

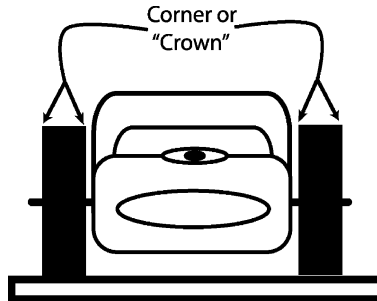
1. **The car must be constructed using the materials supplied with regulation Grand Prix Kit #17006.**
2. The car run in the Council Pinewood Derby shall be the identical car run by the entrant in his own pack derby, and it must have been constructed after April 13, 2008.
3. **Length:** Overall length shall not exceed 7 inches.
4. **Width:** Overall width shall not exceed $2\frac{3}{4}$ inches.
5. **Weight:** Maximum total weight of car, including driver, trims, weights, etc., shall be 5 ounces.
6. **Height:** Cars shall not be higher than 3". This is measured from the bottom of the wheels to the top of anything on the car. This is so all Pinewood Derby Cars will clear all timing devices.
7. **Wheels:** Wheels must be constructed from those supplied in regulation kit #17006 OR REPLACEMENT WHEEL KIT #17007. No modification of wheels will be allowed, except that burrs or excess plastic from the factory molding process (if any) may be removed or sanded. Wheels must be original width thickness and height and the whole tire surface must meet the track surface.

All four wheels must touch the track surface. This will be checked during weigh in and inspection.

If the flat surface of the tire is to be sanded, be careful not to round the corners (crown) of the wheel. Any rounding of the crowns will cause disqualification. An edge should still be present. See illustration below.

The axle bore of the wheel may not be bushed, sleeved, lined, or otherwise modified to change the basic wheel-to-

metal axle interface other than the application of a non-permanent spray-on, brushed-on, or dusted lubrication compound. Bushings, sleeves, permanent coatings, thrust washers, and enclosed axles (hub caps) are prohibited. **Wheels may not be shaved.**



8. **Axles:** Axles must be constructed from the nails supplied in regulation kit #17006 or replacement kit #17007. Burrs on the underside of the nail head may be removed with a file or emery cloth, and the nail shafts may be polished with fine emery cloth or jeweler's rouge. The mating surface of the nail may **not** be grooved, bushed, sleeved, lined, or otherwise modified to change the basic wheel hub to nail shaft interface other than the use of application of a non-permanent spray-on, brushed-on, or dusted lubrication compound. Bushings, sleeves, permanent coatings, thrust washers, and enclosed axles (hub caps) are prohibited.
9. **Track Clearance:** The car must have an under-body and in-between-wheel clearance which will allow it to travel freely over a track lane strip which is $\frac{3}{8}$ inches maximum in height and $1\frac{1}{4}$ inches maximum in width.
10. **Suspension:** The car shall have a solid suspension consisting of the wheels and axles rigidly mounted to the car body. No springs, linkages, shock absorbing materials or other constructions which provide a non-rigid or floating-type suspension are permitted.
11. **Details:** Details such as steering wheel, windshield, driver, exhaust pipes, trim, etc., are permitted as long as they are

rigidly mounted to the car body and do not exceed the overall car specifications.

12. **Starting Devices:** The car may not incorporate any devices which may assist starting. These shall include, but are not be limited to, magnets, liquids, spring mechanisms, etc. There shall be no loose components within the body of the car. The car must also be free-wheeling.
13. **Front Edge:** The front edge of the car must rest against the starting peg on the track so that the entire car is behind the peg.

Race Format

The race format for each category will be a single elimination tournament conducted in heats. No more than 3 cars will race at a time, each car making one run down each of the 3 designated lanes of a multiple lane track. Heat winners will be determined by a total point system for the heat, whereby a car will be assigned 1 point for 1st Place, 3 points for 2nd Place, or 4 points for 3rd Place after each of the three races in a heat.

The car with the least total points at the end of all heats will advance to another heat. The other two cars will be eliminated from the Derby. They may be left, though, to be judged for the "Best Design Contest" to be held at various times during the session.

Car Inspection

Every car entered will be subjected to and must pass an inspection to the rules and regulations of Grand Prix Kit #17006 and the foregoing Blackhawk Area Council Pinewood Derby Car Regulations.

If the car does not meet the above specifications, it must be altered by a responsible adult or it will be disqualified.