



## Pack 61 Pinewood Derby Information and Rules

Date: Friday, March 14<sup>th</sup>, 2008

Place: Sandpiper Community Center

**Registration & Weigh-in: 6:00- 6:30PM** (you must check in by 6:30 to race, so please be on time)

**Racing & Awards: 6:45 – 9:00 PM**

**Parents--Please Note:** The rules have been clarified to **EXCLUDE** all race wheels except those that come in the boxed kit . See the end of this notice for allowed and disallowed alterations to the "stock" wheels. Also note that only the axles that come in the box are allowed (the shiny nails), **NO CUSTOM OR FULL LENGTH AXLES ARE ALLOWED.** An exception to this will be given to **WHEELS** that are purchased from official Boy Scout of America Scout Store.

### Rules and Regulations

- 1. All cars must comply with racing specifications and building instructions that are issued by the San Mateo County Council and Pack 61.**
- 2. The officially accepted kit is a one-piece car body with zinc plated nails for wheel axles and wide tread plastic wheels, designated as GRAND PRIX PINEWOOD DERBY kit, catalog #17006. Prior model kits will not be accepted. Non-BSA kits and parts purchased through Non-BSA Sources are not allowed.**
- 3. The car must have been made for this year's race only.**
- 4. Wheels cannot be modified or reshaped in any way. Wheels may be sanded to remove molding burrs only. Surface must be kept flat. Remolding of the wheel axle is prohibited. Wafering, bearings, axle sleeves or bushings are prohibited.**
- 5. Wheel axles must be inserted in the grooves cut in the car body. No axle supports are allowed. The wheel base (distance between the axles) may not be changed.**
- 6. All cars must conform to the following:**
  - Width; Overall (wheels included) shall not exceed 3 inches, nor be less than 1 3/4 inches between wheels (inside measurement).**
  - Length; Overall length shall not exceed 7 inches**
  - Weight; Shall not exceed 5 ounces (141.75 grams)**
  - Height; The underside of the car cannot be lower than 3/8 inch, inclusive of weights and accessories. Overall height cannot exceed 3 1/2 inches.**
- 7. No loose materials of any kind are permitted in or on the car.**



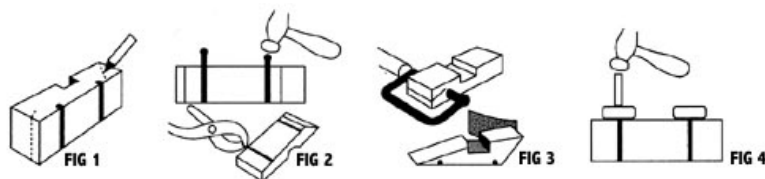
## Pack 61 Pinewood Derby Information and Rules - Continued

8. No part of the car may be constructed to extend beyond the starting gate peg. The front-most point of the car must be able to rest against the starting gate peg.
9. No weights may be added after the car has reached the weighing station during registration.
10. Lubrication (dry graphite only) shall be done prior to registration.
11. All cars must pass inspection to determine conformity with these rules. Any car not conforming with the rules and regulations will be returned for correction. Any car that cannot be brought into conformity by race time will be disqualified.
12. After a car passes inspection and has been registered, it will not be handled except by a race official or the boy called to race his car. The cars will be placed on a table and only removed from the table for racing.
13. If a car jumps the track, the race will be rerun. If a car jumps the track three (3) times during a single race heat, it can be disqualified.
14. If a car is damaged during registration or the race, repairs will be allowed. The car must be repaired and ready to race when it is next called to race, provided that a minimum of five minutes is allowed for repairs.
15. The chief judge's decisions are final on all issues.
16. By registering for the race, each participant and pack representative accepts the race rules, track, scales, scoring system, other equipment used, and lanes assigned by the race officials.
17. If a Cub Scout cannot attend the Pinewood Derby he may use an alternate Cub Scout (no adults) to race his car with the approval of his Cubmaster.
18. Anything not covered in these rules is at the discretion of the race committee.

**Note:** Grand Prix Pinewood Derby kits are catalog #17006

**Only Wheels from these boxed kits are acceptable. Only axles from those kits are acceptable.**

**Contact your Den Leader if you need any replacement parts.**





## ADDENDUM TO PACK 61 PINEWOOD DERBY RULES

1. All parts used on cars must be new. No parts from any cars which have previously competed in a Pinewood Derby may be used. Basic wood block, wheels and axles must be Official BSA parts. Non-BSA decals and other accessories are acceptable.
2. Neither wheels nor axles may be lathe turned. A lathe is not simply a drill press on its side... lathes have rigid tool holders. Files or sandpaper must be hand held. Only electric drill/drill press or hand sanded wheels and axle holes are allowed.
3. Axles holes on the wheels may not be re-molded or enlarged. The outside or inside edges may be scraped to remove any molding burrs which prevent the wheel from "Free-Spinning", but no reshaping of the interior of the axles holes are allowed.
4. Axles may not be re-plated.
5. Axle holes may not be plated or coated with any material. No bearing, bushings, or shims will be allowed.
6. All parts **MUST** be securely fastened to the car. No car will be allowed to race with any parts which are deemed by the inspection committee to pose an impediment to another race car.
7. Dry-Graphite is the only lubricant allowed.
8. All cars handled by anyone other than Race Officials after passing registration shall be subject to re-inspection before being allowed to race.
9. To prevent unnecessary pressure on the wheels and axles of cars, the Race Officials must store and move cars upside-down, except during the design competition viewing and actual racing. Cars should be constructed in a manner which will withstand storing in this manner without damage. Scouts have the right to re-inspect (Under Race Official Supervision) his car, if he feels his car has been accidentally damaged during storage or transportation.
10. By registering for the race, each participant and/or representative accepts the current **PINEWOOD DERBY RULES**, the track, the scales, the other equipment used, scoring system and lanes assigned by the Race Officials.
11. To further clarify rule #4 of the **PACK 61 PINEWOOD DERBY RULES** sheet, the **TREAD AREA** of the wheels **MAY** be sanded or filed to allow a **FLAT SURFACE AREA** and to remove the molding burrs or ridge. **HOWEVER**, the basic shape and width of the wheels may **NOT** be radically reshaped to reduce the contact area of the tread surface. **NO "PEAKING, ROUNDING, GROOVING, BEVELING or TAPERING" WILL BE ALLOWED.** (See Examples Below)
12. The race Committee's decisions are final on all issues.

Created by [Warren Mudd](#), with credit to Chris Jacobi of Troop 87, Palo Alto

Updated by [Warren Mudd](#), Pack 61 Webmaster, Jan. 14, 1999

Last Updated by Joachim Ng Pack 61 Pinewood Derby Coordinator, 24 Feb, 2008

URL: <http://www.PacificSkylineCouncil.org/scouting/pack61/pinewood.html>