

## 2002 SAKIMA DISTRICT PINEWOOD DERBY RULES

All cars must pass inspection by the assigned district staff based on the following rules.

All cars must use official B. S. A. wood block, nails and wheels.

### BODY SPECS

1. Maximum total weight limit **five ounces**.
2. Maximum overall width of the car shall not exceed **2 3/4 inches**.
3. Maximum overall length of the car shall not exceed **7 inches**.
4. Minimum underside clearance shall be at least **3/8 inch**.
5. Minimum inside wheel to wheel clearance shall be at least **1 3/4 inches**.
6. Maximum wheel-base (distance between the front and rear axles) shall not exceed **4 5/8 inches**.

### CAR DESIGN & APPROVED CONSTRUCTION METHODS

7. The car design can be any design your boy and you want it to be. Take care that you don't violate the dimensional or weight specifications. If you apply any add-ons to the car, no loose materials of any kind are permitted. Details such as: steering wheels, drivers, decals, painting, and interior details are permissible as long as these details are not an infraction of the district rules.
8. The car may be hollowed out and built up to the maximum weight by the addition of wood or metal. However, the material must be securely fastened to the car with screws, nails, or glue. **ABSOLUTELY NO TAPE.**
9. Any car found to have material taped to the car will fail tech inspection unless the owner removes the taped items. All materials on car must be permanently affixed.
10. Once a car is presented to race officials for tech inspection it will not be returned unless it fails inspection, i.e. under weight cars will race as they are.

**NOTE - IF THE CAR DOES NOT PASS INSPECTION, YOU WILL HAVE TO PROVIDE YOUR OWN EQUIPMENT TO RECTIFY THE RULE INFRACTION IF TIME PERMITS. THE DISTRICT WILL NOT PROVIDE ANY EQUIPMENT TO MODIFY CARS.**

11. The car shall not be allowed to ride on any springs.
12. The car must be freewheeling, without starting devices or pushing. There cannot be any small divots, notches or depressions on either end of the car. This is considered to be an aid in starting the car.

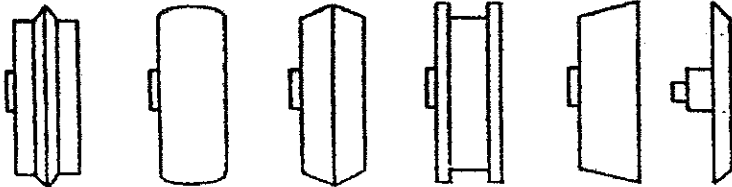
### AXLES

13. The only axles allowed are those in the Official Pinewood Derby Kit. The axles can be polished and lubricated. Precision machined axles are prohibited. **NO SINGLE AXLES ALLOWED.**

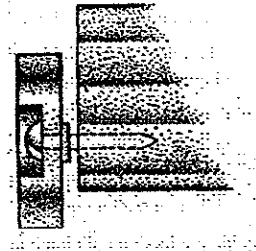
### WHEELS

14. Only official B. S. A. wheels that come with kit may be used. Extra B. S. A. wheels may be purchased at the 10th Street Scout Office.

15. Flashing left from the manufacturing process may be removed.
16. You may not use washers, hubcaps, insert sleeves or bearings into the wheels.
17. Absolutely **NO** other wheel changes or modifications will be allowed.



Unacceptable modified wheels



Acceptable wheel

**NOTE: THIS HAS BEEN A VERY CONTROVERSIAL ISSUE IN THE PAST. BE PREPARED FOR A RIGOROUS INSPECTION. ALL DECISIONS WILL BE FINAL AND NOT OPEN FOR DISCUSSION. IF CONCERNED, BRING EXTRA WHEELS AND THE CAR WILL BE RE-INSPECTED.**

### **LUBRICATION, REPAIRS & MODIFICATIONS**

18. Lubricating of the car axles must be done before the car is presented for tech inspection. Once the car has been registered in the race, and has passed inspection by the race officials, it will immediately go to pit row. No lubricating or modifications will be allowed between race heats. Repairs can only be made by permission or by request of a race official. Cars must remain in pit row when not racing, only being removed when their number is called for by race officials, or by special permission of a race official. If a car is found missing from pit row without permission, the car will be removed the race.

19. If a car is modified anytime after being registered, the car is considered illegal, and will be disqualified.

20. Final standings for each age group will remain unofficial until all cars that place have been re-inspected for weight and checked in the tech box.

21. If a car has taped weight affixed to it during the race, it will be immediately disqualified and removed from competition.

### **CUBS QUALIFIED TO RACE**

22. Scouts will race in the same age group as they raced in at their pack derby.

23. This race is open to all qualifying Tiger, Cub and Webelos Scouts that are registered with a Sakima District Cub Scout Pack. **NO EXCEPTIONS ALLOWED!** A cub whose name does not appear on the official Sakima District roster must be personally vouched for by a District Staff member or his Cubmaster.

### **JUMPING THE TRACK OR WRECKING**

24. If a car loses a wheel or jumps out of it's lane, the heat will be rerun if the Cub and adult partner are able to repair the damage in less than 5 minutes, otherwise the car in question will be awarded last place in the heat. The Scout and partner may continue trying to fix the car in pit row between heats in the presence of race official. No tape will be allowed and no other lubing or modifications will be permitted. If not repaired by the time his next heat is called, the boy will forfeit that heat, and will be awarded last place.