Pack 57 Pinewood derby rules

CAR SPECIFICATIONS:

- Width: 2-3/4" Length 7" Height not over 5 ½" Weight Not over 5 Ounces
- Width between wheels 1-3/4"
- Bottom clearance between car and track 3/8"
- All four wheels and axles <u>MUST</u> be used on the car (three, two or one wheeled cars will not be allowed.).
- Cars that have passed inspection will be held by the inspection committee after the inspection until race time and during the race.
- Cars damaged during racing will be repaired by the inspection committee and the scout. These cars will be raced in there heat if at all possible.

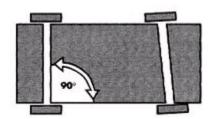
RULES

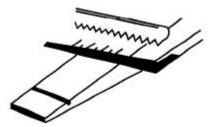
Wheel bearings, washers, and bushings are prohibited. The car shall not ride on springs or suspension system. Only official Cub Scout Grand Prix Pinewood Derby wheels and axles are permitted. Only dry lubricant is permitted. Details, such as steering wheel and driver are permissible as long as these details do not exceed the maximum length, width and weight specifications. The car must be free-wheeling, with no starting devices. Each car must pass inspection by the official inspection committee before it may compete. If, at registration., a car does not pass inspection, the owner will be informed of the reason for failure, and will be given time within the official weigh-in time period to make the adjustment. After final approval, cars will not be re-inspected unless the car is damaged in handling or in a race.

BUILDING INSTRUCTIONS

Check the grooves to ensure that each is at a perfect 90-dearee angle to the car body. A car with untrue axles tends to steer to one side or the other, causing it to rub up against the side of the lane strip, slowing it down. You can check the groove angles by using a square, a protractor, or even a piece of paper.

Lay square on block to check for squareness and alignment of slot. Use two hacksaw blades side by side to redress the slots. Use the edge of the square as a guide.

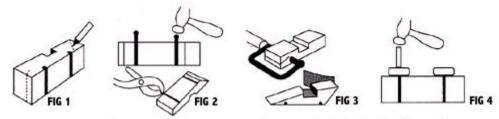




NOTE: If the car design you chose has a narrow body, make sure the area where the axles are inserted into the body remains 1-3/4" wide, or wheels will not fit over the guide strips of the track.

PAINTING AND WHEEL ASSEMBLY Apply several coats of sanding sealer; then sand entire car with a fine-grade sandpaper. Give model at least two coats of fast drying paint, in your choice of color. When paint is completely dry sand with a fine sandpaper, apply a final coat of paint and allow to dry thoroughly.

TO FINISH, rub entire car with a rubbing compound. Details such as windshield, driver, racing numbers, etc., should be added now. For a super finish apply a coat of auto wax and rub to a high gloss. Pre-lubricate axles and wheels using, dry powdered lubricant. Do not use regular oil or silicone spray, since it may soften the plastic. Slide wheels over axles, then gently tap them into the car body grooves with a 1/4" dowel or similar object to within 1/32" of car body. (See Figure 4). Make sure wheels turn freely.



Due to many requests we have eliminated the cockpit section in the Pinewood

Derby block to allow for more designs. Copyright ©, 1997, Boy Scouts of America, All Rights Reserved