

**NJ District Royal Rangers
East Central Section
Pinewood Derby Rules & Regulations
February 2008**

1. WIDTH

Overall width shall not exceed 2 $\frac{3}{4}$ inches.

2. LENGTH

Overall length shall not exceed 8 inches.

3. WEIGHT

Car weight shall not exceed 5 oz. (141.75 grams). The car may be hollowed and built up to maximum weight by the addition of wood or metal, provided it is securely built into the body. Exterior weights will be permitted as long as they are properly secured and do not cause the car to exceed the legal width, length, and/or clearance specifications. Cars will be weighed at the Inspection table. OVERWEIGHT CARS WILL BE ASSESSED A PENALTY OF $\frac{1}{2}$ oz. (14.17 grams). THEY WILL BE DRILLED OUT BY THE RACE MECHANIC UNTIL THEY WEIGH 4 $\frac{1}{2}$ oz (127.58 grams). Cars within the legal weight limit must be registered as is. NO WEIGHT MAY BE ADDED TO THE CAR ONCE IT HAS BEEN HANDED OVER TO THE INSPECTORS.

4. WHEELS

Wheels and pin axles must be the ones provided (BSA/Boy Scouts of America kits only). They must be placed in the slots provided. Do not change the distance from one wheel to the next. ABSOLUTELY NO bearings, washers, bushings and/or springs will be allowed. You may remove the rough edges from your wheels by light sanding.

5. ATTACHMENTS

The car must be FREE WHEELING with no starting device and no moving parts other than wheels.

6. DETAILS

Details such as steering wheel, driver, decals, paint, interior details, etc. are permissible as long as they do not cause the car to exceed the maximum weight, width, length, and/or clearance requirements.

7. PRE-CUT STORE BOUGHT CARS

Pre-cut store bought cars are not permitted. The car body must be cut from the block of wood supplied with the kit. Any car that was purchased pre-cut will be disqualified.

8. LEAD SLEDS

In order to keep the race FUN and COMPETITIVE we will disqualify any vehicle the RACE OFFICIALS judge to be what is commonly referred to as a LEAD SLED. That is, a car or truck that is just a flat piece of wood weighted to the maximum with no apparent attempt to make it look like a car or truck.

9. MISCELLANEOUS

Only car and truck kits purchased from the Boy Scouts of America may be entered. Only RACE OFFICIALS are allowed in the PIT AREA and TRACK AREA. No graphite, oil, glue, lube or tools may be brought to the race by car owners. All vehicles will be lubricated with graphite by the PIT CREW before all heats (Preliminary & Elimination). Any repairs that must be made to keep a vehicle running shall be made by the OFFICIAL RACE MECHANIC.

Cars are to be built by the boys with adult supervision. Boys are not to receive any additional help other than the initial "rough cut."

Special Note: All cars must be "New." That is, no car utilized in a prior year may be utilized again. Each car should have the year it was built and the Outpost Commander's initials clearly marked on the bottom.

10. TRACKS

Car tracks should measure approx. 52" high and 32' in length. Actual length and height of the "running area" will differ due to allowance for the starting gate and finish line.

11. OPEN CLASS

Cars entered in this class need only to adhere to rules 1, 2, 3, 4, and 9. In addition, they must comply with the special note in Item 9 (the car must be "new.")