

Pack 486 Dad's Derby Rules

Taken from the 2012 MAWAT DISTRICT PINEWOOD DERBY RULES

1. It is required that the car be built using the materials in the BSA Official Grand Prix Pinewood Derby Kit. "Precut" car bodies are permitted, as long as the nails for axles and plastic wheels are Official BSA Pinewood Derby Wheels and Axles. Official Pinewood Derby Kits, and Official Pinewood Derby Wheel and Axles Kits (in assorted colors!) are available from the Scout Shop in Raleigh and from www.scoutstuff.org

2. Specifications:

- a) The total length of the car shall not exceed 7 Inches. Many of the blocks of pine may be longer. Be sure and measure the length of your car.
- b) The overall width of cars (outside of wheel to outside of wheel. Including axles and any protrusions on each side of the car) shall not exceed 3 inches.
- c) The minimum ground clearance for the car shall be 3/8 inches, (our track has a raised track guide which the car must clear in order to run).
- d) The weight of the car shall not exceed 5 ounces or 141.7 grams (based on Pack 486 scale at time of registration).
- e) Distance between front and rear wheels cannot be altered. The original slots for nails must be used.
- f) The nail heads for the axles must not be covered- no wheel covers!
- g) Maximum height of cars that race is 6 inches. Most beautiful and original cars may be taller.

3. **NO LOOSE MATERIALS** of any kind are permitted inside or on the car.

4. The car must be freewheeling with no starting devices.

5. Axels (the nails furnished with the BSA kits) may be polished and lubricated.

Only dry lubricants, such as graphite, may be used.

6. Wheel bearings, washers, hubcaps, and bushings on axles or wheels are prohibited.

7. Excess plastic or mold marks on the wheel tread may be sanded smooth. Wheels may be turned to ensure roundness, but the **ORIGINAL TREAD WIDTH MUST REMAIN INTACT**. Alteration to tread width, such as rounding, or grooving is prohibited.

8. Cars shall not ride on any type of springs.

9. The car may be hollowed out and built up to the maximum weight by addition of wood or metal only, provided it meets the specifications set forth above (No. 2), and the weight is built into the body chassis.

10. Detailing, such as adding a steering wheel, driver, decals, and painting are permissible, as long as, these details do not exceed the above listed specifications (No.2).

Pack 486 Dad's Derby Rules

ANY WEIGHT ANYWHEELS RACE

1. It is required that the car be built using the pine block in the BSA Official Grand Prix Pinewood Derby Kit, Official Pinewood Derby Kits, and Official Pinewood Derby Wheel and Axles Kits (in assorted colors!) are available from the Scout Shop in Raleigh and from www.scoutstuff.org.

2. Specifications:

a) The total length of the car shall not exceed 7 Inches. Many of the blocks of pine may be longer. Be sure and measure the length of your car.

b) The overall width of cars (outside of wheel to outside of wheel. Including axles and any protrusions on each side of the car) shall not exceed 3 inches.

c) The minimum ground clearance for the car shall be 3/8 inches, (our track has a raised track guide which the car must clear in order to run).

d) There is no restriction on the weight of the car.

e) Distance between front and rear wheels cannot be altered. The original slots for nails must be used.

f) Maximum height of cars that race is 2 inches.

3. **NO LOOSE MATERIALS** of any kind are permitted inside or on the car.

4. The car must be freewheeling with no starting devices, propellants or driving force.

5. Any wheel design or conformation may be used with any lubricant but the wheel base must conform to the original pine block (No.1 & 2e)

6. Cars shall not ride on any type of springs.

7. The car may be hollowed out and built up to any weight by addition of wood or metal only, provided it meets the specifications set forth above (No. 2), and the weight is built into the body chassis. Please make it obvious to the judges that the original pine block is an integral part of the car's structure (eg. exposed wood near the axles on the underside of the car)

8. Detailing, such as adding a steering wheel, driver, decals, and painting are permissible, as long as, these details do not exceed the above listed specifications (No.2).