

Pack 828 Pinewood Derby

SUMMARY OF RULES

The building of the participating car must take place during the current Scouting year. No cars may be entered that raced in previous years.

Only one car may be registered per participant.

The car must be registered, pass inspection and impounded during the registration period (Friday, February 2, 7-8pm at the Twin Creeks MPR) to compete. No further modification or maintenance of the car is allowed after impounding.

Car specifications

- Width: 2.75" or less (including the wheels)
- Length: 7.00" or less
- Height: 4.00" or less (including all trim items)
- Under car clearance: 0.375" or more
- Inside wheel-to-wheel clearance: 1.75" or more
- Axle-to-axle spacing: 4.40" +/- 0.125"
- Car weight: 5.00 ounces or less (including the wheels and any visual modifications)

Building of cars

- ALL work (including improvements to wheels, axles and body) must be done by the scout and the parent. The intent is to have the scout build as much of the car as is age appropriate, reasonable and safe.
- The axles, wheels and body **MUST** consist of materials with an Official Grand Prix Pinewood Derby scout logo; the use of pre-shaped car bodies, machined wheels or axles from non-scout kits is NOT allowed.
- Additional trim items are allowed if they fit within the maximum car weight and size.
- No loose materials (weights, characters or trim) are permitted. Weights must not move.

Wheels and axles

- Axle nails must be mounted parallel to the track surface. **NO** canting is permitted.
- All four wheels must run flat and be in contact with the track surface.
- Axle treatment is allowed (i.e. deburring/polishing).
- Wheel treatment is allowed (hub and tread smoothing/polishing) but it may **NOT** result in conspicuous removal of mass nor in reduction of wheel width and/or diameter.
- Wheel hub caps, washers, inserts, sleeves, and bearings are **NOT** permitted.
- The car may not ride on springs or other suspension.
- The car must be powered **ONLY** by gravity.
- Only dry lubricants are allowed. Lubricants may not foul the track.