



Winning Pinewood Derby Products

www.pinewoodpro.com

Pinewood Pro Derby Bulk Pack Car Kit (8 Cars)

This bulk kit includes eight car blocks, eight sets of Pinewood Pro's PRO Wheels, eight sets of axles and a free tube of PRO Graphite lubricant and a PRO Wheel Spacer. This information sheet will get you started. We have many free guides and lots of reference material on www.pinewoodpro.com that will help you have fun building cool, fast pinewood derby cars. We highly encourage you to visit these pages. If you have questions or need help, call or email us!

Pinewood Derby Rules – every race needs a set of rules. Download whichever set of rules applies to your race.

<https://www.pinewoodpro.com/pinewood-derby-cars-rules.php>

How to Design your car

<https://www.pinewoodpro.com/pinewood-derby-howto-design.php>

How to Make your car fast

<https://www.pinewoodpro.com/pinewood-derby-howto-speed.php>

- **Suggestions for finishing the car body**
 - a. **Design and cut your car** - Draw the car design on the sides of the block and cut it out
 - b. **Sand your car** – Use a wood rasp and sandpaper to remove cutting grooves and smooth your car.
 - c. **Prime, paint and decorate** – Use wood primer to seal the wood. Next lightly sand, then apply one or two coats of paint. Personalize your car with stickers or decals. Seal the finished car with clear gloss.
- **Add Weight to your Car**

Your car races down the track from the force of gravity. You must add weight to your car so it has enough inertia to reach the finish line. More weight = more inertia = a fast car at the finish. Pinewood derby weights come in a variety of materials with varying costs. Flex weights are inexpensive and can be cut with scissors. Other options are zinc and tungsten. Place the weights towards the rear of the car to **move the center of gravity back for optimal speed.**
- **Install your Axles and Wheels**

Place the axle through the wheel and insert them into the into the car slots. You can push them in, tap them in with a hammer, or use a precision axle inserter tool. Place the wheel spacer against the car body and push the axles in until the wheel is snug against the PRO Wheel Spacer. This will give you **perfect wheel spacing for optimal speed.** Check out our helpful YouTube videos showing how to use the Spacer Tool: <http://youtube.com/user/pinewoodpro>
- **Lubricant your Axles!**

Lubricating your axles will **reduce friction and make your car go faster!** Use PRO Graphite to squirt graphite into the wheel bore where the axle goes through. Spin the wheel and add more. Note: graphite is messy! We suggest adding graphite over newspaper or better yet, outside in a safe area.

Want ALL the car building and speed secrets? *Winning Pinewood Derby Secrets* can be downloaded instantly!

<https://www.pinewoodpro.com/winning-pinewood-derby-secrets-ebook.html>

Questions? Email info@pinewoodpro.com or Call 203-400-3713

To be GREEN and do our small part, we include one cut sheet rather than eight. Use this URL to read this sheet online:

<https://www.pinewoodpro.com/bulk-derby-car-kits.pdf>