



[www.pinewoodpro.com](http://www.pinewoodpro.com)

## Pinewood Pro Car Kit

### 1. Suggestions to finish the car body

#### a. Sand your car

To make your car body look like a finished car, we suggest a light sanding to remove imperfections. We suggest using 100 grit sandpaper or a sanding block (not included).

#### b. Prime, paint and decorate your car

Next, we suggest applying a wood primer before painting. The primer is not required but it provides a good base for your paint to adhere to. Next paint your car. After it dries, apply stickers or decals to personalize it.

### 2. Add Weight to your Car

You need to bring your car up to 4.9oz or 5.0oz to be competitive. Put your car block, axles, wheels, whichever plastic accessories you wish to use, and Flex Weights on a scale. It will weigh over 5.0oz. Cut the flex weight with scissors until everything weighs 4.9 or 5.0oz max. Peel and stick the Flex Weights to the bottom of your car, **as far to the rear of the car as possible**.

### 3. Lubricate your wheels and axles to reduce friction

We highly suggest using graphite (not included) to lubricate your axles. The best graphite is our PRO Graphite with moly. Squirt graphite into both sides of the wheel bore where the axle goes through. Insert the axle and spin the wheel to work in the graphite. Repeat for all four wheels/axles. Adding graphite is the **single most important thing to make your car fast**.

### 4. Install your Axles and Wheels

To insert your axles/wheels, place the PRO Axle Spacer against the car body, insert an axle into a wheel and press your axles into the car until it is snug against the spacer tool. Remove the tool and repeat for all wheels. After you insert your axles, we suggest putting a drop of glue **at the tip of the axle** (furthest from the wheel) to hold it in place.

### Speed Tip

To make your car competitive, it is strongly suggested to deburr your axles and polish them to reduce friction. Less friction = more speed! Read more speed tips on [www.pinewoodpro.com](http://www.pinewoodpro.com)

**Want more speed?** You can instantly download of our *Winning Pinewood Derby Secrets* book!

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

**Questions? Call us! 203-400-3713**

That's it!

Have fun and don't forget to share your story on our Facebook page [www.facebook.com/pinewoodpro](http://www.facebook.com/pinewoodpro)

You can also email [info@pinewoodpro.com](mailto:info@pinewoodpro.com) and we will add your story and pictures to our Gallery.