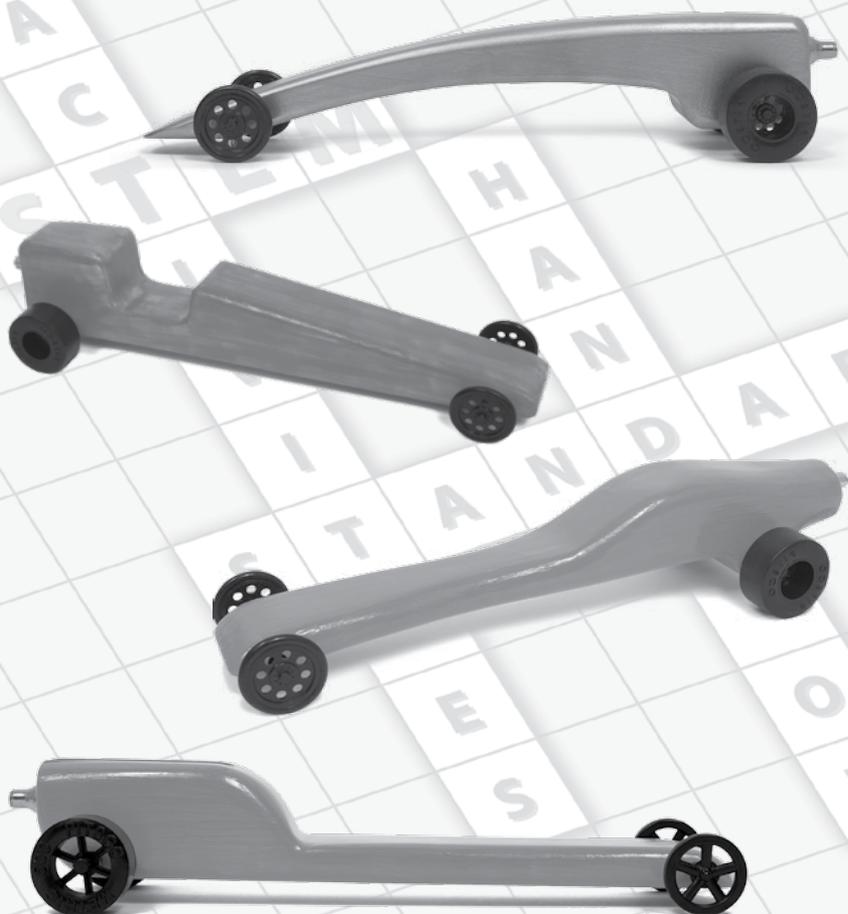


Precut Dragster Kit

User Guide



With a precut profile shape and predrilled axle and cartridge holes, all you have to worry about with the Precut Dragster Kit is creating a finer shape, finishing, and adding the wheels and axles.

There are four different styles of Precut Dragster Kits – the Roadster, Archie, Flat-Liner, and Sportster. These instructions are used no matter which style you purchased.

Kit Materials (included)

Note: There are enough materials provided to build two dragsters. Divide these materials into two kits.

- 2 Precut Dragster Blanks
- 8 axle bushings
- 4 Px Wheels (large)
- 4 Lx Wheels (small)
- 4 steel axles
- 4 screw eyes
- 8 brass washers
- 2 CO₂ cartridges

Other Materials (not included)

- Coping saw or wood rasp (optional)
- Ruler (optional)
- Pencil (optional)
- Vise (optional)
- Sandpaper – coarse (80 grit), medium (120 grit), and fine (220 grit)
- Spray paint
- Ramp
- Graphite powder (optional)
- 3/4" dowel or paint stand (optional)
- Decals (optional)
- CO₂ race system
- Pitsco Wheel Deal (optional)

Shaping and Finishing the Dragster

With the Precut Dragster Kit, you can just round and smooth the edges with sandpaper – or you can use a coping saw to make drastic changes to the blank's shape. If entering your car in a specific competition, be sure not to make changes that will cause your car to not meet specifications.

1. Break or cut apart the two blanks. Carefully, break away any of the wood edges that are not part of the blank (Figure 1).

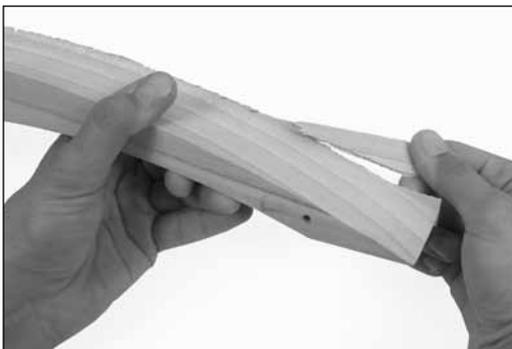


Figure 1

2. If you are going to cut or sand away more wood from the blank to create a more unique shape, you should use a ruler and pencil to create an even design to follow with a rasp or coping saw (Figure 2). Be careful not to create a design that would cut into the predrilled axle or cartridge holes.

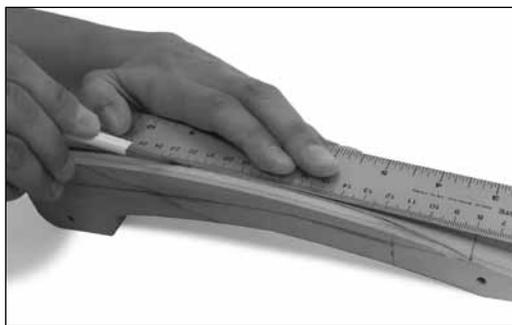


Figure 2

Caution: For safety, at least 1/8" of wood should remain all the way around the cartridge hole.



Figure 3a



Figure 3b



Figure 3c

3. Carefully create the shape you drew on the blank with coarse sandpaper, a wood rasp, or a coping saw (Figures 3a, 3b, and 3c). It is recommended to secure the dragster blank in a vise while doing this.

4. Use the medium sandpaper to smooth rough surfaces. Follow up with fine sandpaper to remove small scratches and marks (Figure 4). Don't skimp on sanding time – a well-sanded blank will help achieve a really good paint job.

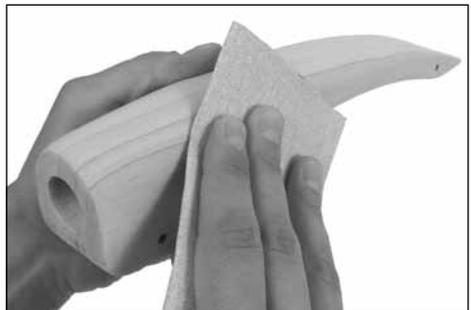


Figure 4

5. Use a dragster paint stand to hold the dragster as you paint it. Alternatively, insert an 18" to 24" dowel that is 3/4" in diameter into the blank's cartridge hole. Hold the dowel or clamp it to a work surface.
6. Paint the dragster as desired (Figure 5). Spray light coats and let the paint dry between coats. You can lightly sand between coats with the fine sandpaper.
7. If you wish to paint any details (pinstripes, flames, and so forth) or apply decals, do so at this time.



Figure 5

Assembling the Dragster

Note: These instructions provide steps for manual assembly. The Pitsco Wheel Deal can be used to ease the process.

1. Find the axle bushings, axles, wheels, and screw eyes. Insert the four axle bushings into the axle holes.
2. Push an Lx Wheel (small) onto the end of an axle. To do this, you can hold the wheel and push the axle against a solid surface.
3. Place a brass washer on the other end of the axle and insert the axle into the dragster's front axle hole. Place another brass washer over the free end of the axle, and then push the other Lx Wheel onto the axle (Figure 6).



Figure 6

4. Push a Px Wheel (large) onto the end of the second axle. Place a brass washer on the other end of the axle and insert the axle into the dragster's back axle hole. Place the fourth brass washer over the free end of the axle, and then push the other Px Wheel onto the axle (Figure 7).



Figure 7

5. Turn the dragster upside down and set it on a surface where the dragster will not slip. Determine the centerline, which is the lengthwise center of the dragster.

6. Firmly screw in two screw eyes where the monofilament line will not drag on the body of the car – the holes of the screw eyes should face the front and back of the dragster, not the sides (Figure 8). Be sure the screw eyes are not placed directly under the axles. If entering your car in a specific competition, check the specifications sheet for any rules about where to place the screw eyes.



Figure 8

Testing the Dragster

Now, roll test your dragster. Either use the Pitsco Roll Test Ramp or make your own ramp – but make sure it's not too steep. Set the dragster at the top of the ramp and let it roll down. It should roll straight and smooth and travel for a short distance after leaving the ramp. To improve how your dragster rolls, try the tips below.

- See if the wheels are rubbing against the body of the car. If they are, try to pull the wheels out a bit on the axle without removing them from the axle. **Caution:** Removing and reattaching the wheels on the axles many times can cause the wheel to be too loose.
- Check the axles for burrs or scratches. If there are any, use sandpaper to remove them – or replace the axle with a different one.
- Remove any imperfections from the rolling surface of the wheels.
- Lubricate the axles with graphite powder.

Insert the CO₂ cartridge, set up your race system, and race your dragster according to your race system's instructions!

PITSCO

E D U C A T I O N

P.O. Box 1708 • Pittsburg, KS 66762

www.pitsco.com

Toll-Free Orders 800-835-0686