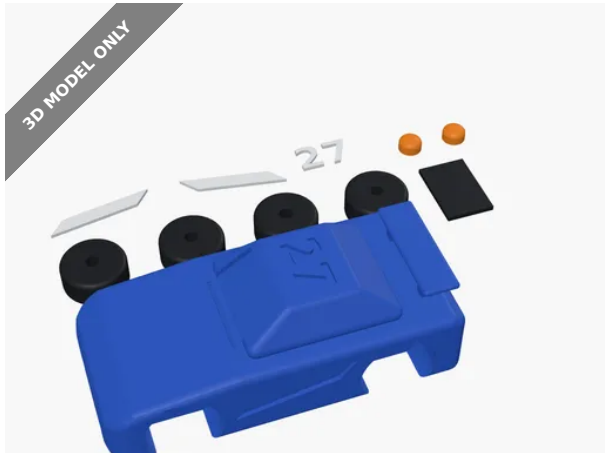




Four-Colour Race Car Kit (push-fit, no glue)



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[VIEW IN BROWSER](#)

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Summary

Toy race car printed in 4 colours: inlaid stripes, number, windshield and headlamps press in. Wheels spin on 4 mm rods.

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A push-together toy race car, 100 × 46 × 36 mm, printed in four colours with no paint and no glue for the details. The rounded blue body has pockets for coloured inlay pieces: a slanted speed stripe on each side and the number 27 on the roof (both white), a tinted black windshield panel, and two domed orange headlamps. The four black wheels spin on two axle rods through the body.

- **Blue:** body (race_car_kit_body.stl)
- **Black:** 4 wheels + windshield (race_car_kit_black.stl)
- **White:** 2 side stripes + roof number (race_car_kit_white.stl)
- **Orange:** 2 headlamps (race_car_kit_orange.stl)
- You also need **two 4 mm rods, about 44 mm long** (steel rod or a wooden dowel) for the axles.

Printing

Print each STL in its colour. Every part prints flat with no supports; 0.2 mm layers and 15–20 % infill work well. Press the inlays into their pockets (0.15 mm clearance per side), push the rods through the body (0.2 mm clearance, so they turn freely) and press a wheel onto each end (0.1 mm, so the wheels grip the rod).

Customize it in your browser

This model is fully parametric. Change the roof number (race_number), the size and the fit clearances, or set print_part to export one colour plate at a time. Open it in the free OpenSCAD Playground, change the numbers and export your own STL: [Open it in OpenSCAD Playground](#)

Source

The OpenSCAD source and the rest of my models are on GitHub:
github.com/SinaChavoshi/3d_printer_agentic_models

Designed with AI assistance in OpenSCAD.

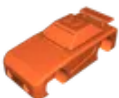
Model files



race_car_kit_orange.stl



race_car_kit_white.stl



race_car_kit_body.stl



race_car_kit_black.stl

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