

Vapemobile: Pneumatic Toy Car



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Summary

Demo and assembly guide: <https://youtu.be/9Cofmy4bZX4> 3d View: <https://skfb.ly/6KoX8> Added a balloon remote for it:...

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Demo and assembly guide: <https://youtu.be/9Cofmy4bZX4>

3d View: <https://skfb.ly/6KoX8>

Added a balloon remote for it:

<https://www.thingiverse.com/thing:3675568>

If you like how it works, you can support me by purchasing one of these body kits:

<https://gum.co/vapemobile>

The parts with "XX_..." names are optional.

All the parts fit onto 20x20cm table together and take about 8m (72g) of 1.75 filament to print. Solid infill, no supports needed.

All printed well (and fast) with 0.6 nozzle at 0.2 layer height.

Extra parts needed:

- 623ZZ bearing (4x10mm, 3mm hole) (may poorly work without)
- Piece of 1.75mm filament
- Rubber band
- Thin plastic bag
- 6mm silicon pipe (can be found in any aquarium shop)
- 4mm pipe from intravenous dropper (or any that you could pull onto the syringe end)
- Two 2ml syringes
- 8mm piece of 4mm PTFE tube (optional)
- Air balloon
- Bolts: M3x6 x8, M3x8 x8, M3x10 x3, M3x12 x5, M3x14, M3x25, M3x50
- M3 washers x10
- M3 nuts x30

Print instructions Category: Mechanical Toys Print Settings

Printer: Anet AM8

Rafts: No

Supports: No

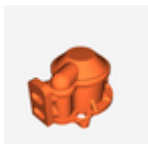
Infill: Solid

Filament: Bestfilament PLA Gray

Model files



xx_wheel_rear_1.stl



main_cylinder_half_2.stl



crank_gear_10t.stl



axle_front.stl



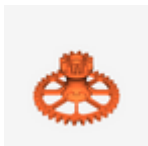
steering_rod.stl



main_cylinder_washer_1.stl



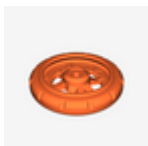
crank_flywheel.stl



crank_gear_34t.stl



remote_body.stl



wheel_balloon_front_l.stl



main_cylinder_piston_washer.stl



frame_front.stl



remote_thumb.stl



xx_crank_valve_smaller_hole.stl



main_cylinder_washer_2.stl



main_cylinder_6mm_pipe.stl



frame_body_airstream.stl



main_cylinder_rod.stl



xx_main_cylinder_6mm_pipe_no_ptfe.stl



valve.stl



x_remote_balloon_plate_04.stl



remote_pipe_clip.stl



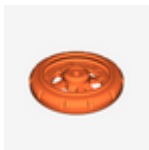
xx_wheel_front_l.stl



xx_wheel_front_r.stl



crank_valve.stl



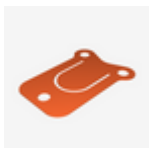
wheel_balloon_front_r.stl



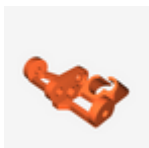
xx_main_cylinder_4mm_pipe.stl



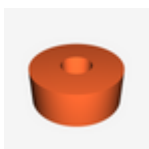
valve_rod.stl



x_remote_balloon_plate_02.stl



axle_rear.stl



xx_crank_no_bearing_spacer.stl



main_cylinder_shaft_end.stl



steering_rod_cover.stl



xx_main_cylinder_shaft_18mm.stl



wheel_balloon_rear_r.stl



remote_balloon_thumb_v1.stl



wheel_balloon_rear_l.stl



xx_wheel_rear_r.stl



main_cylinder_piston.stl



frame_main.stl



xx_frame_body_airstream.stl



remote_balloon_thumb_v2.stl



steering_clamp.stl



remote_balloon_tube.stl



remote_pipe.stl



remote_balloon_trigger.stl



remote_balloon_handle.stl

[Find source .stl files on Thingiverse.com](#)

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