SCARBO SVF1 Race Car Model

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VIEW IN BROWSER

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Summary

A formula one model with functioning doors, suspension, steering, shifting and moving engine pistons.

Toys & Games > Vehicles

Tags: car jointed modular snaptogether toys noglue nosupports

Scarbo SVF1 Model has functioning doors, suspension, steering, shifting and moving engine pistons. Based on a modern replica of 1967 Ferrari 312 Formula One.

No supports, except for the exhaust pipes. Everything is designed to be simply snapped together, no need for gluing or drilling. Alternative parts for Prusa mini are also availible. **More info in the manual** in the download section.

The SVF1 is compatible with Soozafone's Lucky 13 figure.

Print settings

- **Material:** PLA (PETG only for the base frame, for easier snaping)
- **Infil:** 100% (Only parts I used 15% were the wheels)

- **Perimeters:** 4 (There are a lot of rods, pins and generally longer parts, where more perimeters could save some print time)
- **Layer height:** 0,2mm
- **Supports:** Only for the exhaust pipes
- **Brim:** There are custom ones for a few risky parts, so unless you have major problems with adhesion, you shouldn't use any.
- **Estimated print time:** 38 hours
- **Used filament:** Grey - 205g (69m), Black - 135g (46m), Red - 54g (18m). 394g in total according to Prusa slicer.

Edit: 2.5.2022 - There is no subfolder in the BLACK folder, fixed reference in the manual.

5.5.2022 - Fixed missing siderods from the BODYWORK folder.

11.5.2022 - Changed instructions picture for exhaust assembly (page 17)

19.5.2022 - Added some requested alternative parts

Model files

1_FRONT _AXLE 27 files

2x_bodywork_pin.stl

steering_knuckle_l.stl

pedal_l.stl

steering_rod_l.stl

bodywork_clip_r.stl

wheel_rod_r.stl

pedal_r.stl

lower_control_arm_r.stl

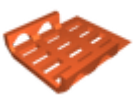
front_axle_r.stl

steering_gear.stl

wheel_rod_l.stl

upper_control_arm_l.stl

steering_rod_r.stl



alt_base_frame_2.stl

front_axle_group.stl

steering_wheel_frame.stl

upper_control_arm_r.stl

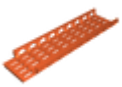
bodywork_clip_l.stl

steering_rod.stl

base_frame.stl

steering_wheel.stl

lower_control_arm_l.stl



alt_base_frame_1.stl

2x_steering_pin.stl

alt_base_frame_3.stl

front_axle_l.stl

steering_knuckle_r.stl

2_REAR_ AXLE

26 files

rear_control_arm_3l.stl

drive_shaft_holder.stl

shifting_rod_clip.stl

rear_control_arm_1l.stl

securing_pin_r.stl

rear_axle_l.stl

drive_shaft_9r.stl

rear_control_arm_2l.stl

shift_stick_clip.stl

drive_shaft_gear.stl

l_shaped_clip.stl

rear_axle_r.stl

rear_control_arm_2r.stl

rear_knuckle_l.stl

rear_axle_group.stl

rear_knuckle_r.stl

shifting_rod_2.stl

shift_stick_cap.stl

rear_clip.stl

shift_stick_holder.stl

rear_control_arm_1r.stl

shift_stick.stl

drive_shaft_9l.stl

rear_control_arm_3r.stl

shifting_rod_1.stl

drive_shaft_cap.stl

3_WHEELS 11 files

rear_inner_wheel_r.stl

rear_inner_wheel_l.stl

rear_wheel_l.stl

rear_wheel_r.stl

front_inner_wheel_r.stl

front_wheel_l.stl

wheels_group.stl

front_wheel_r.stl

2x_front_wheel_brake_disc.stl

front_inner_wheel_l.stl

2x_rear_wheel_brake_disc.stl

4_ENGINE 18 files

8x_air_intake.stl

2x_side_cover_clip.stl

lower_engine_block_l.stl

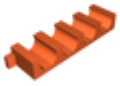
engine_top_cover.stl

8x_piston.stl

engine_gear.stl

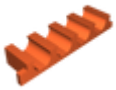
lower_engine_block_r.stl

exhaust_holder.stl



cylinder_block_r.stl

crankshaft.stl



cylinder_block_l.stl

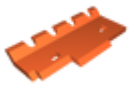
back_frame.stl

engine_top_rod.stl

front_engine_cover.stl

engine_group.stl

engine_side_cover_l.stl



engine_side_cover_r.stl

8x_connecting_rod.stl

5_BODYWORK 8 files

securing_pin_l.stl

door_stopper.stl

2x_side_mirror.stl

upper_siderod_l.stl

lower_siderod_l.stl

upper_siderod_r.stl

lower_siderod_r.stl

bodywork_group.stl

RED 12 files

door_r.stl

cylinder_head_cover_r.stl

door_holder_l.stl

rear_bodywork_l.stl

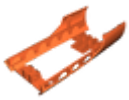
middle_bodywork.stl

door_l.stl

front_bodywork.stl

door_holder_r.stl

rear_bodywork_r.stl



alt_middle_bodywork.stl

cylinder_head_cover_l.stl

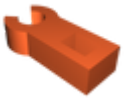
red_group.stl

BLACK 48 files

drive_shaft_7l.stl

grooved_front_tire_r.stl

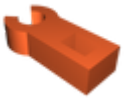
black_group.stl



drive_shaft_4l.stl

engine_top_l.stl

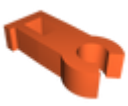
seat_clip_l.stl



drive_shaft_6r.stl

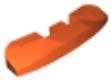
drive_shaft_3r.stl

smooth_rear_tire_r.stl



drive_shaft_2r.stl

drive_shaft_1l.stl



dashboard.stl

drive_shaft_1r.stl

grooved_front_tire_l.stl

radiator.stl

seat_r.stl

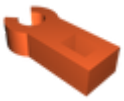
smooth_front_tire_l.stl

drive_shaft_5r.stl

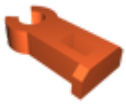
drive_shaft_5l.stl

seat_pin.stl

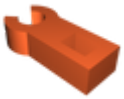
head_rest.stl



drive_shaft_6l.stl



drive_shaft_8r.stl

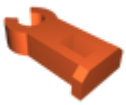


drive_shaft_4r.stl

seat.stl

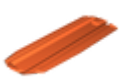
seat_l.stl

smooth_front_tire_r.stl

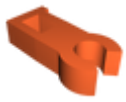


drive_shaft_8l.stl

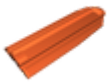
grooved_rear_tire_l.stl



door_interior_r.stl



drive_shaft_2l.stl



door_interior_l.stl

exhaust_rear.stl

engine_top_r.stl

drive_shaft_3l.stl

grooved_rear_tire_r.stl

seat_clip_r.stl

drive_shaft_7r.stl

smooth_rear_tire_l.stl

exhaust_group.stl

exhaust_3l.stl

exhaust_2l.stl

exhaust_4l.stl

exhaust_3r.stl

exhaust_1l.stl

exhaust_1r.stl

exhaust_2r.stl

exhaust_4r.stl

Requested alternative parts 4 files

exhaust_assembly.stl

alt_door_l.stl

alt_door_r.stl

alt_front_bodywork.stl

Other files

scarbo-svf1-model.pdf

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