



SCARBO SVF1 Race Car Model



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[VIEW IN BROWSER](#)

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Summary

99% Support free formula one model with functioning doors, suspension, steering, shifting and moving engine pistons.

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[nosupports](#) [noglue](#)

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 available. **More info in the assembly instructions** 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 snapping)
- **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

31.07.2022 - Big update:

-To come a bit closer to the original Scarbo, front axle have been moved almost 1cm back, while the lenght of the car stays the same.

-Front control arms are a bit longer and the steering knuckles are moved further, without the wheels changing distance from the base frame, check out the comparison picture above.

-Most of the **front axle** including the **base frame**, 2 largest **bodywork** parts and front **brake discs** must be printed for this update.

-There's a new folder labeled "Update" with all new parts, the instructions has been also updated. All the parts have been reuploaded either way, so if you downloaded everything for the first time after july 31 2022, you can ignore the "Update" folder.

26.8.2022 - Fixed some mistakes in FRONT_AXLE_GROUP and BLACK_GROUP

Model files



1_FRONT_AXLE

27 files



front_axle_group.stl



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



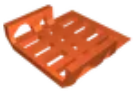
wheel_rod_l.stl



upper_control_arm_l.stl



steering_rod_r.stl



alt_base_frame_2.stl



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



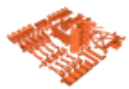
back_frame.stl



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



upper_siderod_r.stl



lower_siderod_r.stl



securing_pin_l.stl



door_stopper.stl



upper_siderod_l.stl



2x_side_mirror.stl



lower_siderod_l.stl



bodywork_group.stl



BLACK

48 files



black_group.stl



drive_shaft_7l.stl



grooved_front_tire_r.stl



drive_shaft_4l.stl



exhaust_group.stl



engine_top_l.stl



seat_clip_l.stl



exhaust_3l.stl



drive_shaft_6r.stl



drive_shaft_3r.stl



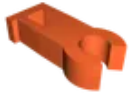
exhaust_2l.stl



exhaust_4l.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



exhaust_3r.stl



drive_shaft_5r.stl



drive_shaft_5l.stl



exhaust_1l.stl



seat_pin.stl



head_rest.stl



drive_shaft_6l.stl



drive_shaft_8r.stl



drive_shaft_4r.stl



exhaust_1r.stl



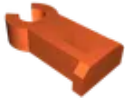
seat.stl



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



exhaust_2r.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_4r.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



door_holder_r.stl



rear_bodywork_r.stl



alt_middle_bodywork.stl



cylinder_head_cover_l.stl



red_group.stl



front_bodywork.stl



Requested alternative parts

8 files



250_base_rear.stl



250_base_front.stl



alt_door_r.stl



alt_door_l.stl



250_base_middle.stl



250_4x_connecting_rod.stl



exhaust_assembly.stl



alt_front_bodywork.stl



Update

24 files



front_axle_group.stl



pedal_l.stl



steering_rod_l.stl



wheel_rod_r.stl



pedal_r.stl



radiator.stl



lower_control_arm_r.stl



front_axle_r.stl



wheel_rod_l.stl



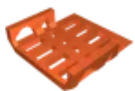
upper_control_arm_l.stl



steering_rod_r.stl



middle_bodywork.stl



alt_base_frame_2.stl



steering_wheel_frame.stl



2x_front_wheel_brake_disc.stl



upper_control_arm_r.stl



2x_rear_wheel_brake_disc.stl



steering_rod.stl



front_bodywork.stl



base_frame.stl



steering_wheel.stl



lower_control_arm_l.stl

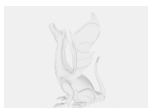


alt_middle_bodywork.stl



front_axle_l.stl

Other files



scarbo-svf1-assembly-instructions.pdf

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