



32 Scale Model C303



Hobbyist Engineer

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Summary

A 1:32 scale model of the Off-road Van inspired by the iconic Volvo "C-303".

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Tags: [miniature](#) [volvo](#) [van](#) [offroad](#)

Introduction:

This is a 3D printable scale model of an off-road van inspired by the legendary **Volvo C303** – a military-grade workhorse known for its rugged design and go-anywhere attitude. Designed with clean lines and simple assembly in mind, this model is perfect for display, diorama builds, or collectors of vintage and military vehicles.

Parts to Print:

Print the parts as per the list. Use recommended colors for best results.

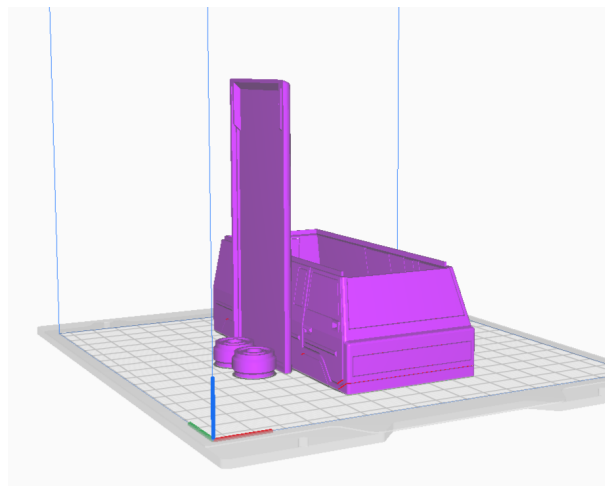
Part Name	Color	Quantity
Axle	Black	2
Cab		1

Chassis	Black	1
Floor	Black	1
Grill	Black	1
Head Light	White	2
Rear View Mirrors R	Black	1
Rear View Mirrors L	Black	1
Rim/Rim for TPE Tire		5
Roof		1
Spare Wheel Holder	Black	1
Steering Wheel	Black	1
Tail Light	Red	2
Tire/TPE Tire	Black	5

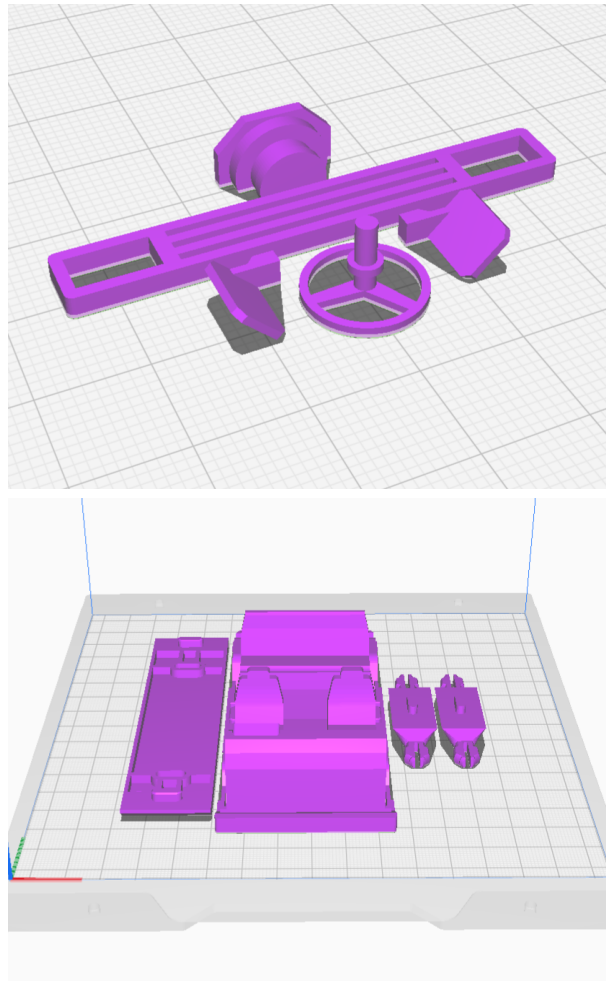
Print Process:

Position the parts in slicing software with orientations shown in the following images. Correct orientation is important for printing without additional support.

Color Parts:



Black Parts:



Print Settings:

The model is designed for printing with a 0.4 mm nozzle and requires no additional supports. Use the printer-specific settings for the best quality prints.

Layer Height: 0.2 mm

Infill: 15–20% is sufficient for most parts

Supports: Not required. Orient the parts as shown in the images above.

Material: PLA recommended; ABS or PETG also compatible

Bed Adhesion: Brim optional for Cab and Roof.

Post-Processing:

The prints may require finishing before starting assembly. The process involves removing the in-built supports, stringing if present, and

smoothing the rugged edges. You may require the following tools as per preference and availability:

- Cutter or Knife
- Sandpaper or Small Files
- Adhesive (SuperGlue)

Assembly Instructions:

Watch the following video instructions for the model assembly. Check for tolerances before assembly. Use the appropriate tool for sizing the joint members. The press-fitting of some parts may require force. Use pliers or a vice for fitting, if necessary. In case any joint feels loose, use adhesive to fix the joint.

Model files



axle.stl



cab.stl



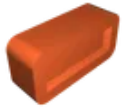
chassis.stl



floor.stl



grill.stl



headlight.stl



rear-view-mirror-l.stl



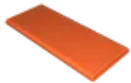
rear-view-mirror-r.stl



rim-for-tpe-tire.stl



rim.stl



roof.stl



spare-wheel-holder.stl



steering-wheel.stl



taillight.stl



tire_tpe.stl



tire.stl

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