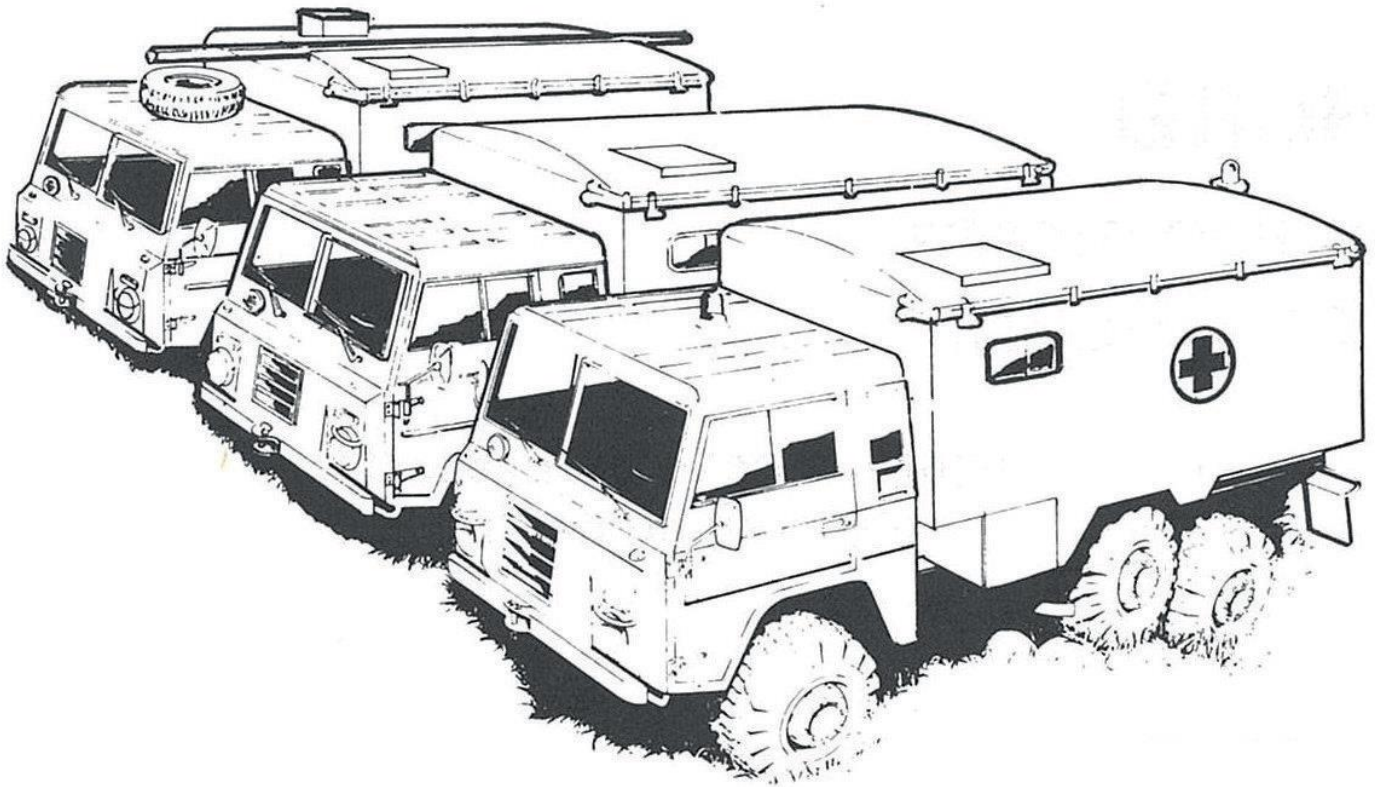


GECKO HEAVY INDUSTRIES VOLVO C304 TGB 1312-1316



GE72017
SCALE: 1/72



History

The Volvo C304 Terrängbil 1312-1316 (Tgb 1312-1316) was developed in the late 60s and went into production in 1974. The vehicles were equipped with the B30A 3.0L OHV I6 6 cylinder 117 HP inline engines from Volvo's civilian car range. The C3 series feature portal axles with locking differentials resulting in very high ground-clearance and outstanding performance off-road. The vehicles are quite narrow to facilitate navigation between trees and on narrow forest roads. A total of 8,718 vehicles of the C3 series of all types, including 4x4 versions, were manufactured. The TGB 13 still serves in the Swedish army in dwindling numbers and is steadily being replaced by the Mercedes G-Wagen Terrängbil 14/15 series. Many used trucks were sold as surplus equipment to collectors. Variants included:

Radiolänkterrängbil 1312 – Radio Vehicle

Stabsterrängbil 1313 – Command Vehicle (there was also an extra-long version not covered here)

Sjuktransportterrängbil 1314 - Medical transport Army

Ambulansterrängbil 1315 – Ambulance Flygvapnet

Radiolänkterrängbil 1316 – Radio Vehicles

Model Instructions

Gently remove the resin parts from the casting blocks and wash them with soapy water in order to remove mold release lubricant. Cement lower cab (2) onto chassis with engine sticking into receptacle. Place dashboard (3), Steering wheel (4) and Seats (5) into cab and paint interior in olive drab. Then transparent coat interior of cab roof (6) with furniture polish to avoid misting, tape over windows and cement into place over prepared lower cab. Cement rear cabin (7) over chassis behind the front cab. Cement battery (18) into slot on front left side of rear cabin. Cement front axle/suspension unit (8) onto stubs under front chassis with differential pointing to rear. Cement rear axle/suspension (9-10) unit onto stub under rear chassis. Use small drive shaft (11) to connect front axle with transmission and large drive shaft (13) to connect middle axle with transmission and medium drive shaft (12) to connect middle and rear axle. Fashion exhaust pipe from appropriately shaped paper clip section to muffler pots right side of chassis. Stowage boxes (18, 19, 21) as per individual vehicle, mostly under rear cabin wheel arches.

For 1312, cement cable roll (20) to rear cabin door. Close off holes at rear of cabin top with filler. Storage tubes (16) were usually on the right top side of the cabin, sometimes in floppy conditions. Large Antenna mast was usually stowed in center of cabin top with thin end pointing forward. Box with pipe on top (22) goes on front right corner of cabin roof. Flat panel (25) goes on center right side of cabin wall. Some vehicles had ladder stowed on top. See diagram overleaf.

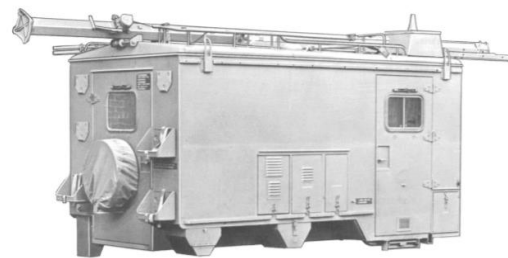
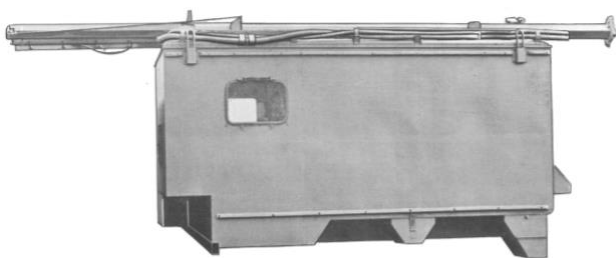
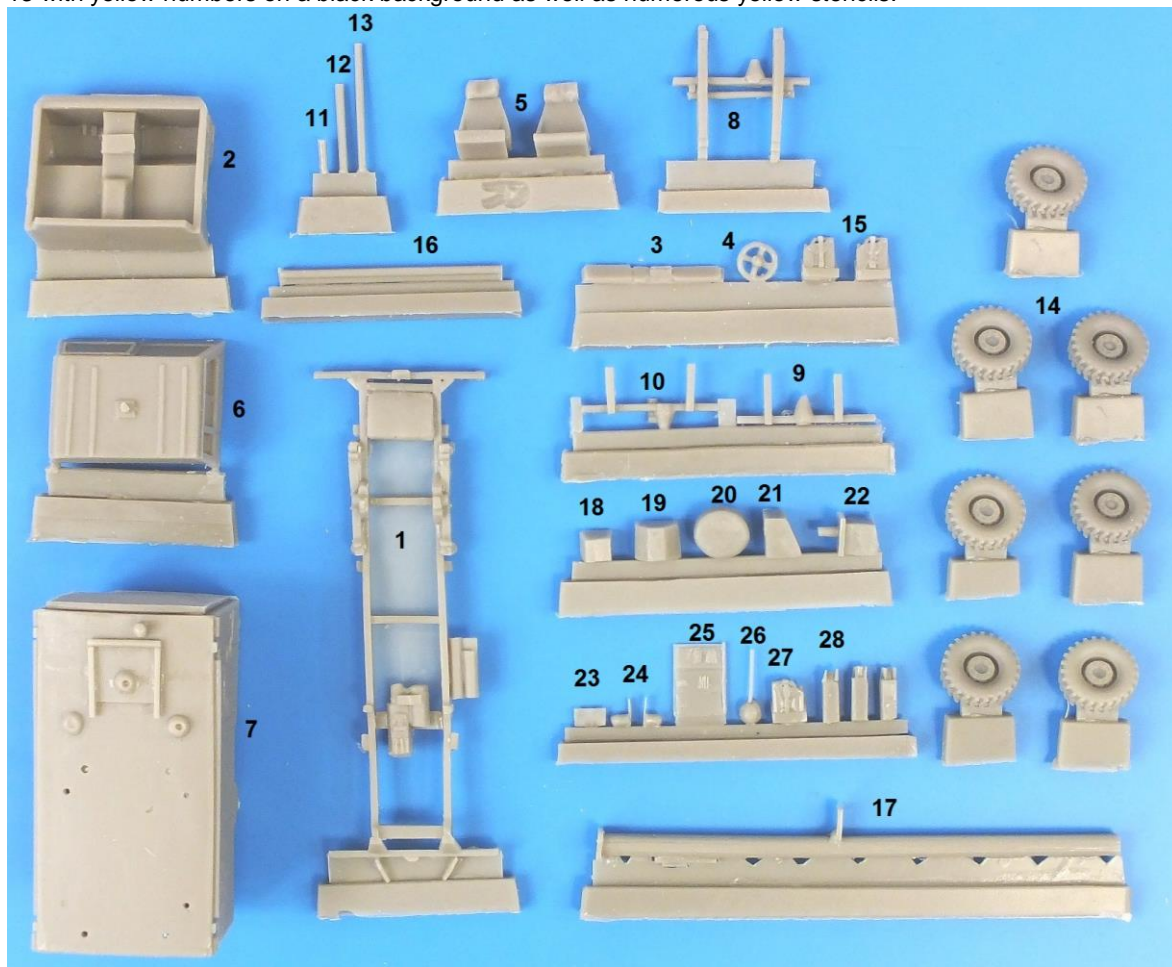
For 1313, cement radios (28) to top rear of cabin and front left of cabin. Make antennae from dust brush filament. The storage tubes (16) were usually on the right top side of the cabin. Cement cable roll (20) to left rear of cabin. There was a small area with railing near the front of the cabin which you can make from copper wire or paper clips. Close off holes at rear of cabin with filler.

For 1314, cement sirens (23) to front right side of cabin. Place small round plastic circle on front left of cab directly under windshield. The storage tube (16) was usually on the right top side of the cabin. There was a small area with railing near the front of the cabin. Use copper wire or paper clips in available holes. Source blue and or orange lights for cabin top.

For 1315 as with 1314. Spotlight goes on right rear of cabin in place of one of the Gerry cans.

For 1316 (very limited info available) use thin plastic or metal rod ca 15-25 cm (not provided) as antenna on front right corner of the cabin. Other details are unknown due to spurious references.

Prime vehicle and wheels (14) separately. You may now paint the vehicle and rims in either Swedish olive drab (Olivgrön 325) or in the splinter camouflage of black (svart), dark Green (mörkgrön), light green (ljusgrön) and light brown (brun). Wheels (14) and chassis were kept in light green, albeit with suitable weathering. Cement pre-painted Gerry cans (15, 27) to rear of cabin and wheels to the axles. Spare wheel (14) goes on cab roof. Place rear view mirrors (24) to side of front cab. The vehicles had a 6 digit license plate starting with 13 with yellow numbers on a black background as well as numerous yellow stencils.



Radiolänkterrängbil 1312 Detail diagrams curtesy Försvarmakten Instruction Manual

Please refer to the internet using a search engine for help with paint scheme or details. Reference photos have been placed in an album here: <https://www.facebook.com/groups/1599052557035228/> IPMS UK Finnish Swedish SIG

Special Thanks to Autocenter Lindenberg, Rautheim for detailed technical access to the vehicles.

General instructions

We try to make our parts as easy to fit as possible but these are kits for relatively experienced modelers. First, we urge you to clean up the parts with soap and water, to remove possible remains of release agents. This goes for common plastic injected parts as well. If parts are warped, dip in very hot water and gently bend back to rights shape. The usual plastic cement does not work on resins and metals. Cyano acrylate glue or epoxy does the job. Resin Parts are preferably sanded wet, to avoid inhaling the dust. The use of Cyano acrylate and epoxies is also to be done under well ventilated conditions. Read the instructions of your adhesive products.

NOT RECOMMENDED TO CHILDREN UNDER THE AGE OF 14.