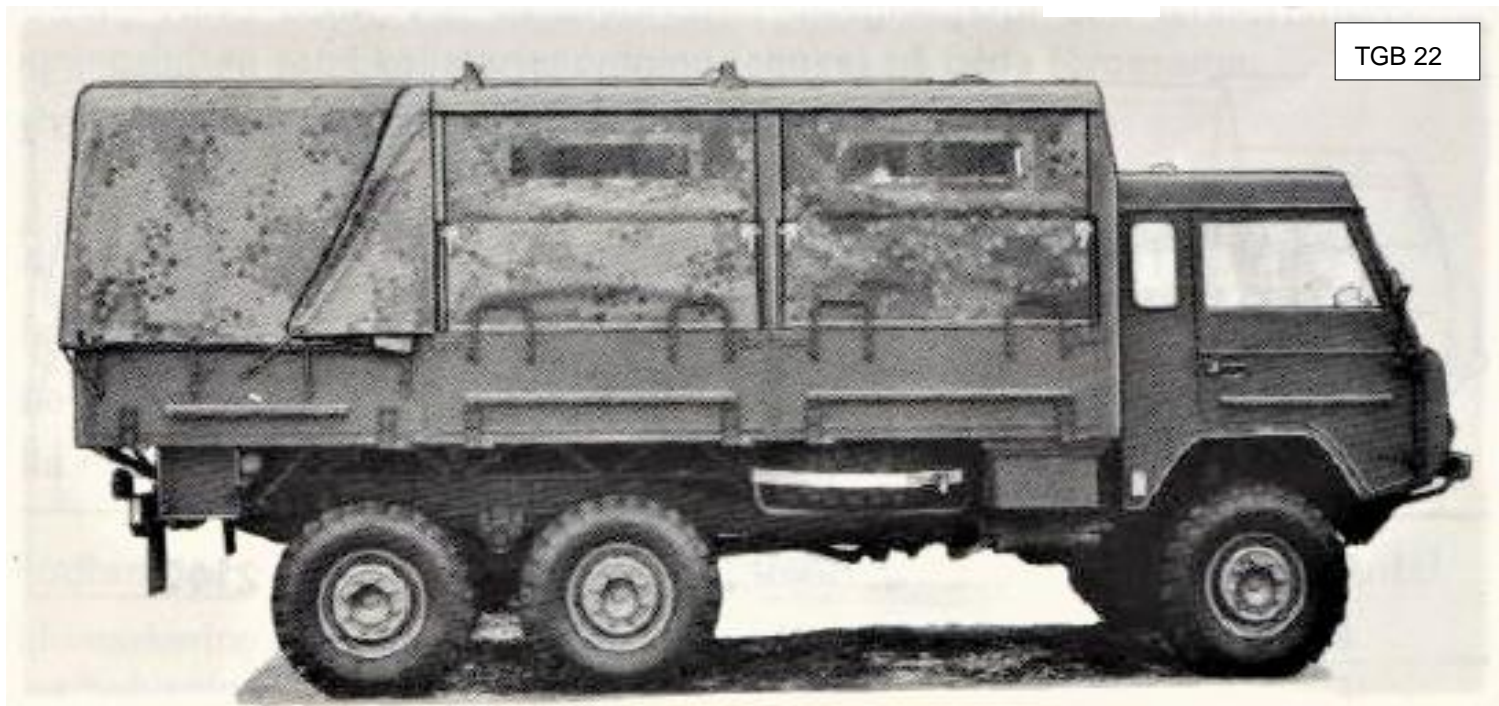


# GECKO HEAVY INDUSTRIES

## VOLVO C306 TGB 21-22 + RBS 70



GE72018  
SCALE: 1/72



TGB 22

### History

The Volvo C306 Terrängbil (Tgb 21-22) was developed in the late 60s on the basis of the TGB 11 and 13 series and went into production with a lengthened chassis and different rear cargo area after 1974 and until about 1980. The Tgb 21 served as a troop carrier, with room for up to 19 soldiers, while the Tgb 22, troop carrier with a crew of 11 served as a transport for the RBS 70 anti-aircraft missile. Sometimes they were collectively called TGB20 series for the sake of simplicity. 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 22 frequently also trailed an m/40 20 mm Automatkanon for anti-aircraft self-defense (not supplied), but for which ammo drums are provided as stowage. The TGB 21-22 serves in the Swedish army in dwindling numbers with most having been declared surplus. Many used trucks were sold to collectors.

### General 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 (1) with engine sticking into receptacle. Place dashboard (3), Steering wheel (4) and Seats (5) into cab and paint interior in olive drab, seats in gloss medium grey. Then coat transparent interior of cab roof (6) with furniture polish to avoid misting, tape over windows and cement into place over prepared lower cab. Cement front axle/suspension unit (8) onto stubs under front chassis with differential pointing to rear. Cement rear bogey/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 on right side of chassis. Mask windows and paint either in Swedish Olive Drab or in splinter camouflage. Proceed with your chose version. The early TGB 21 vehicle and rims were painted in either Swedish olive drab (Olivgrön 325) while both were later painted 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. The TGB 21 had various 5 and 6 digit license plates with yellow numbers on a black background such as 53923, 79147 and 114696 while the TGB 22 had 6 digit numbers starting with 20, such as 205582, 205688, 205755 and 205876 as well as numerous yellow stencils.

**For TGB 21:** Sand off transverse location markings of truck bed floor plate (14) and attach front bulkhead (17) (The small stowage boxes are at the rear underside). Attach benches (16) to seat support frame (15) by sliding side beams into relevant slots. Fit completed bench assembly between longitudinal location markings onto floor plate as well as rear bulkhead (18). The rear bulkhead could also be opened, but you would have to use thin support beams at rear end and lose structural integrity. There were small supports for the seats, which the modeler can fashion from stretched sprue. You may now paint interior: floor dusty matt red, bulkheads and frames olive drab and benches wooden finish. In later years, there were seat belts for crews. Paint underside of roof in olive drab and attach to front and rear bulkheads. You may display vehicle open or closed. Drop sides (20) can be separated into 3 sections each and be displayed up or down. You may drill/cut windows into the side of the tilt, fill orifices with small rectangular plastic packaging strip and display closed. The semi rigid tilt folded up in 2 sections against the roof for stowage, which could be done in thin sheets of plasticard. When satisfied, paint exterior, attach to chassis frame and attach pre-painted wheels (40) to chassis. Spare wheel goes under cargo floor on the right side.. Hatch (22) can be displayed open or closed.



Attach pre painted pintle (23) and Ksp-39 Machine gun (24) to front of roof. Some vehicles had roof racks (28) or small ventilation domes, which are not

supplied but can be scratch built. Scratch build rear view mirrors from plasticard and stretched sprue and cement to side of cab.

**For TGB 22:** Attach front bulkhead (17) to front of truck bed floor plate (14) (The small stowage boxes are at the rear underside). Prime and paint olive drab rear stowage units (25 and 26) and attach to rear floor plate at relevant location markings, (25) in the middle and (26) at rear (see Photo). Cut rear most section of benches 16) and seat support frame and insert between front bulkhead and middle stowage unit. Fashion small support frames for seats from stretched sprue and paint entire interior as above. Attach drop sides with sections open or closed. If displaying closed, cut rear of tilt side (21) and replace with

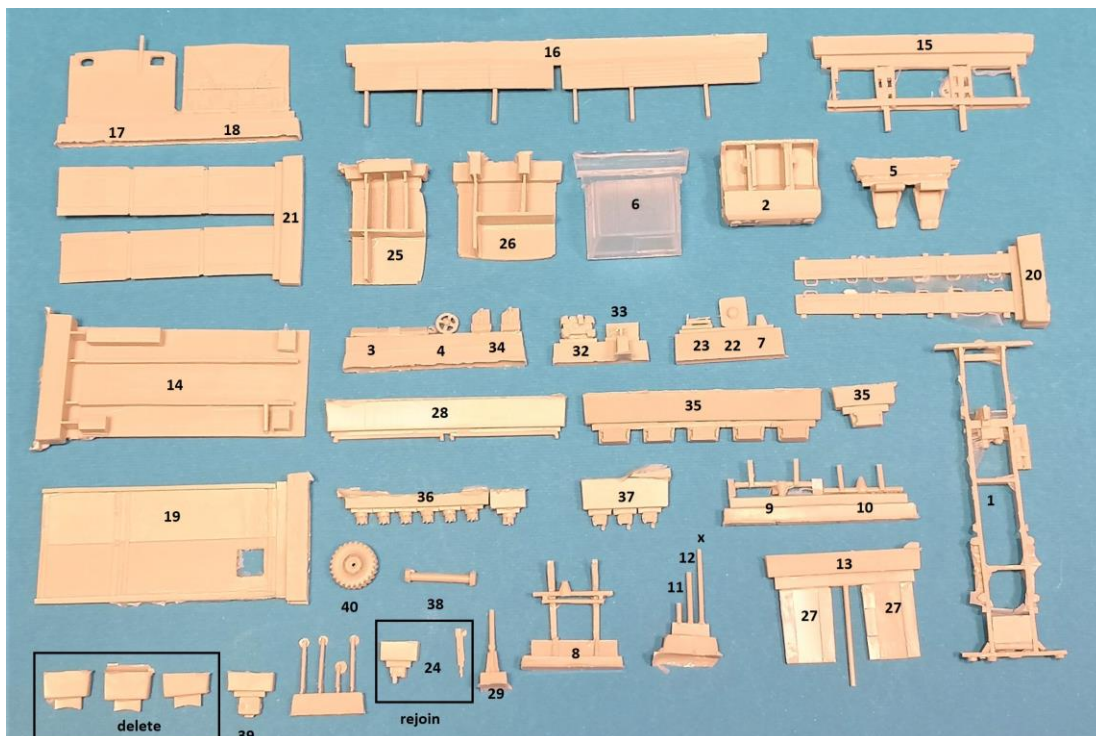


alternate rear tilt (27). Paint stowage olive drab and place in stowage compartment if not displaying separately. You may drill/cut windows into the side of the tilt, fill orifices with small rectangular plastic packaging strip and display closed. The semi rigid tilt folded up in 2 sections against the roof for stowage, which could be done in thin sheets of plasticard. When satisfied, paint exterior, attach to chassis frame and attach pre-painted wheels (40) to chassis. Spare wheel goes under cargo floor on the right side. Hatch (22) can be displayed open or closed. Attach pre painted pintle (23) and Ksp-39 Machine gun (24) to front of roof. Some vehicles had roof racks (28) or small ventilation domes, which are not supplied but can be scratch built. Scratch build rear view mirrors from plasticard and stretched sprue and cement to side of cab.

**RBS 70 + Stowage:** Attach 3 legs (30) and seat (31) to bottom and middle of launcher mast (29). Attach command module (32) and missile tube to top of mast (38). In most cases tube caps were removed, so sand this off for mounted missile. Some launchers had a knee protector (33). There were various incarnations of the missile system over the decades.



You are being supplied with additional TGB 22 stowage: Gerry cans (34), 20 mm ammo crates (35), 20 mm ammo drums (36), radios (37), extra RB 70 rounds (38) with caps, case (39).



**Detail diagrams** courtesy Försvarsmakten/internet

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, Braunschweig for detailed technical access to 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.**