

日本陸軍

# 一式砲 JAPAN TYPE 1 75mm SELF PROPELLED GUN

1/35 MILITARY MINIATURE SERIES NO.95



**TAMIYA**  
TAMIYA PLASTIC MODEL CO.  
828, OSHIKA, SHIZUOKA-CITY, JAPAN



The most successful and widely used of all Japanese tanks in World War 2 was the Type 97 Medium Tank Chi-ha. Designed in 1936 and accepted in 1937 (Japanese year 2597, hence Model 97) as a replacement for the Medium Tank Type 89 which had been in service since the late 1920s. The Type 89 had been influenced by Western designs and was similar in appearance to such types as the Renault NC and the Vickers Medium C. Work on the Type 89's replacement started in 1935 and note was taken of contemporary Western designs, notably the latest British ideas. (This was before the German medium tank designs had appeared.) The most impressive of British designs was the A6 often called the "16 tonner." This was a fine tank but only a few development models actually saw service due to economic difficulties. The new Japanese design was intended to match the A6 in firepower and performance and a speed of over 35 km per hour and a weight of about 15 tons was specified. The main armament was a 57 mm gun (the A6 had a 47 mm gun.) Simplifications were made to cut down production costs. Bell-crank and coil type suspension was designed to save weight. Other features were very advanced for the time, and included a monocoque hull of welded and riveted construction with overhanging side sponsons. Maximum armour thickness was 25 mm and there was a rear-mounted air-cooled diesel motor. During World War 2 the Japanese fell behind in tank development and production. This was partly because the early Japanese successes were achieved with the equipment they had available, and partly because production priority was given to guns, aircraft and naval vessels. When the Allies fought back in the Pacific and SE Asia they had vastly superior tanks. The Japanese forces could only produce stop-gap AFVs to try to re-inforce their now outnumbered and out-gunned tanks. To up-date the medium tank some self-

propelled gun models were produced in small numbers, based on the basic Type 97 Chi-ha chassis, known as "Gun Tanks." Gun Tank No. 1, Ho-ni had a simple open shield replacing the Chi-ha turret with a Type 90 75 mm gun. This was a medium velocity field gun adapted for AFV use with performance comparable to that of the 75 mm gun fitted in the American Sherman tank. The front shield had 50 mm armour and there was a five man crew. The V-12 diesel engine gave 170 hp at 2000 rpm and the top speed was 38 km per hour. Weight was 15.9 tons. The conversion was very cheap and simple, and gave poor protection to the gun crew. It did, however, give the Japanese forces an AFV that was in theory capable of knocking out a Sherman tank. The Type 1 Ho-ni was first in action in the Philippines in 1944.

Der erfolgreichste und fast überall eingesetzte japanische Tank im 2. WW war der Type 97 Medium Tank Chi-ha.

Er löste den seit 1920 eingesetzten Type 89 1937 ab.

Der Type 89 war durch westliche Entwürfe beeinflusst, hatte ähnliches Aussehen wie der Renault NC und des Vickers Medium C. Bereits 1935 wurde an der Verbesserung gearbeitet unter Verwendung hauptsächlich britischer Ideen. Dies war bevor der deutsche mittlere Kampfpanzer erschien.

Der neue Japaner hatte die gleiche Feuerkraft wie der brit. A 6 (bekannt als "16 Tonner"), Gewicht ca 15 to und Geschwindigkeit ca 35 kmh.

Die Kanone hatte 57 mm (der A 6 nur 47 mm) Um die Kosten zu senken, wurden einige Vereinfachungen ausgeführt, zur Senkung des Gewichtes wurden Winkelachsen und Tragrollen entworfen. Selbsttragende Wanne geschweisster und genieteteter Konstruktion mit seitlichen Schwimmerstützen waren unter anderem der Zeit voraus. Max. Panzerung war 25 mm, der Heck-

motor war luftgekühlt und wurde mit Diesel gefahren.

Im 2. WW fielen die Japaner mit der Weiterentwicklung von Panzerfahrzeugen ab - das zur Verfügung stehende Material konnte Erfolge vorweisen - und die Hauptproduktion wurde auf Kanonen, Flugzeuge und Kriegsschiffe eingestellt.

Als die Alliierten im Pacific und Südostasien zurückschlugen - mit ungeheurer überlegenen Panzern - konnten die Japaner nur versuchen, ihre unterlegenen Panzerkraftwagen zu verstärken.

Um den Medium Tank aufzumöbeln wurden

einige Selbstfahrlafetten auf dem Chassis des Type 97 Chi-ha-bekannt als Kanonenpanzer - produziert.

Anstelle des Turmes wurde ein Frontschild angebracht, die Kanone 90 - 75 mm aufmontiert.

Dieses neue Fahrzeug wurde den Panzerkampfwagen zugeordnet und war in Ausdauer mit der 75 mm Kanone des Sherman der US vergleichbar.

Die Frontpanzerung hatte 50 mm, Besatzung 5 Mann, V-12 Diesel Motor mit 170 PS bei 2000 rpm und Höchstgeschwindigkeit 38 kmh Gewicht ca 16 to.

Diese Umwandlung war sehr billig und einfach, gab aber der Besatzung wenig Schutz.

Trotzdem war dieser Japaner in der Lage, den Sherman auszuknocken.

Der erste Einsatz war 1944 auf den Philippinen.



★ Study the instructions before you start assembly. Make sure of parts shape and area to be cemented before you apply cement.

★ You will need a sharp knife, a screwdriver, a pair of tweezers and a file.

■ This mark shows the colour. This part should be painted.

■ This mark shows the colour. This part should be painted.

★ Vorbeginn die Bauanleitung studieren. Die Teile nach Bauabschnitten zusammenbauen. Teile nicht vom Spritzling brechen - abschneiden oder abzwicken, vor Kleben zusammenhalten-auf Passung achten.

★ Nicht zuviel Klebstoff verwenden. Kleine Teile mit Pinzette halten.

★ Abziehbilder vorsichtig im Wasser abschieben, auf richtigen Sitz achten und gut trocknen.

### 3 Fixing of Wheels Radeinbau

Fit Drive Wheels and Road Wheels B in place without using cement. Cement other parts as shown in the figure. Fix Number Plate B38 as shown in the figure after the slide mark has been applied to it. Slide marks should be applied after their margin has been cut off with scissors, etc.

Alle Räder werden nur aufgesteckt. Radaufhängung einkleben. Auf Schild B38 erst Abziehbild anbringen und dann einkleben

Wire Rope Drahtseiles

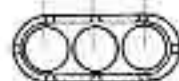


Metallic Grey

B34  
B37  
B35  
B40

Signal Lamp  
Signal Lampe

Green Red  
Orange



B35  
B38 B39 B36

## 1 Wheels Räder

Drive Sprocket  
Kettenantrieb  
2 Satz

A3  
Poly Cap 2  
(Do not cement)  
(Nicht kleben)

A2  
Idler Wheel  
Spannrad  
2 Satz

A11

A14  
(Do not cement)  
(Nicht kleben)

Road Wheel A  
Laurad A  
4 Satz

Matt Black

A9

A8

A12

Road Wheel B  
Laurad B  
4 Satz

A4

Poly Cap 2  
(Do not cement)  
(Nicht kleben)

A10

A1

Matt Black

(Do not cement)  
(Nicht kleben)

B6 A8

A8

A12

Coil Spring  
Spiralfeder  
4 Satz

B11

B9

## 2 Suspension Radaufhängung

Coil Spring  
Spiralfeder

B17

B12

B7 B5

B18

Coil Spring  
Spiralfeder

B13

B3

B10

Coil Spring  
Spiralfeder

B13

B3

B10

Coil Spring  
Spiralfeder

B13

B3

B10

Coil Spring  
Spiralfeder

B13

B3

B10

Coil Spring  
Spiralfeder

B13

B3

B10

Coil Spring  
Spiralfeder

B13

B3

## 3 Fixing of Wheels Radeinbau

Red Brown

C9

C18

C36

C38

C51

Road Wheel B  
Laurad

Drive Sprocket  
Kettenantrieb

Matt Black

A5

A6

A7

A6

Support Roller  
Tragrolle

A7

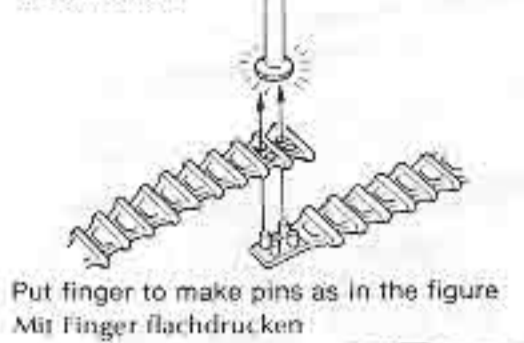
A6

Lower Hull  
Panzer Wanne

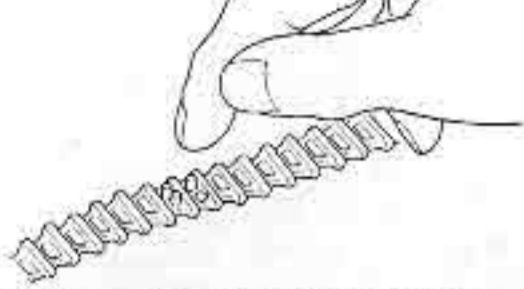
**4** << Upper Hull Parts A >>  
<< Deckaufbauten A >>

<<Track<<  
<<Ketten<<

Flatten with a heated screwdriver.  
Die Zapfen mit heissem Schraubenzieher  
anschmelzen.



Put finger to make pins as in the figure  
Mit Finger flachdrücken

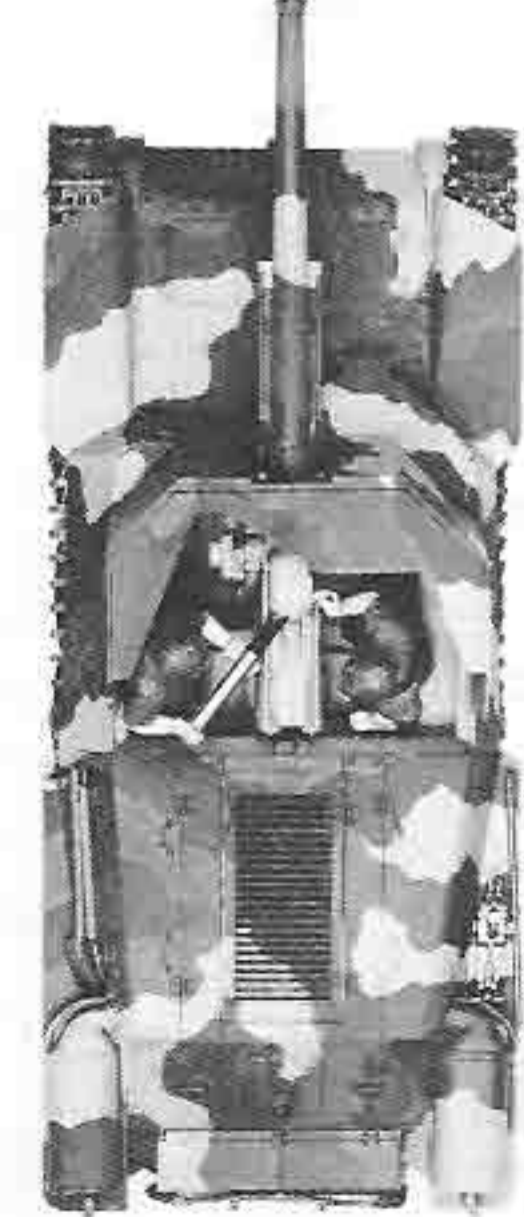


If track broken strengthen with staplers  
or thread  
Bei Kettenbruch mit Heftklammern oder  
Draht flicken



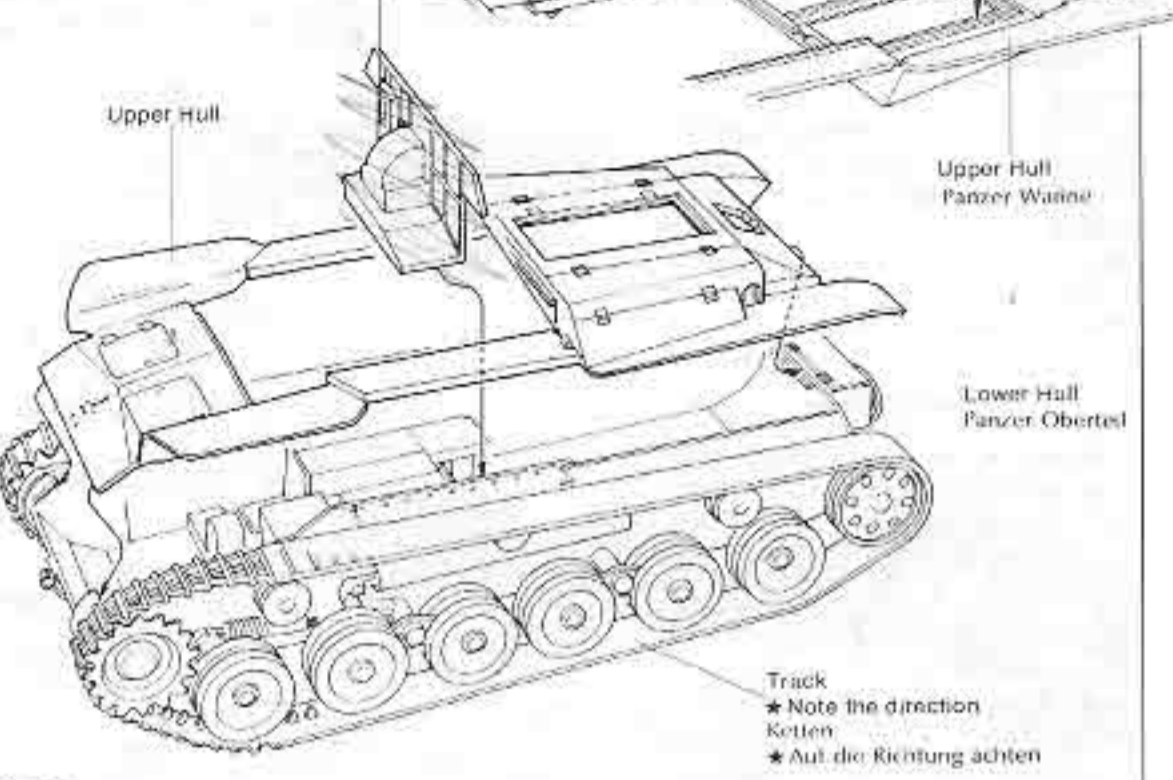
**5** << Upper Hull Parts B >>  
<< Deckaufbauten B >>

Fix B32 in either open or closed position.  
B32—offen oder geschlossen einbauen

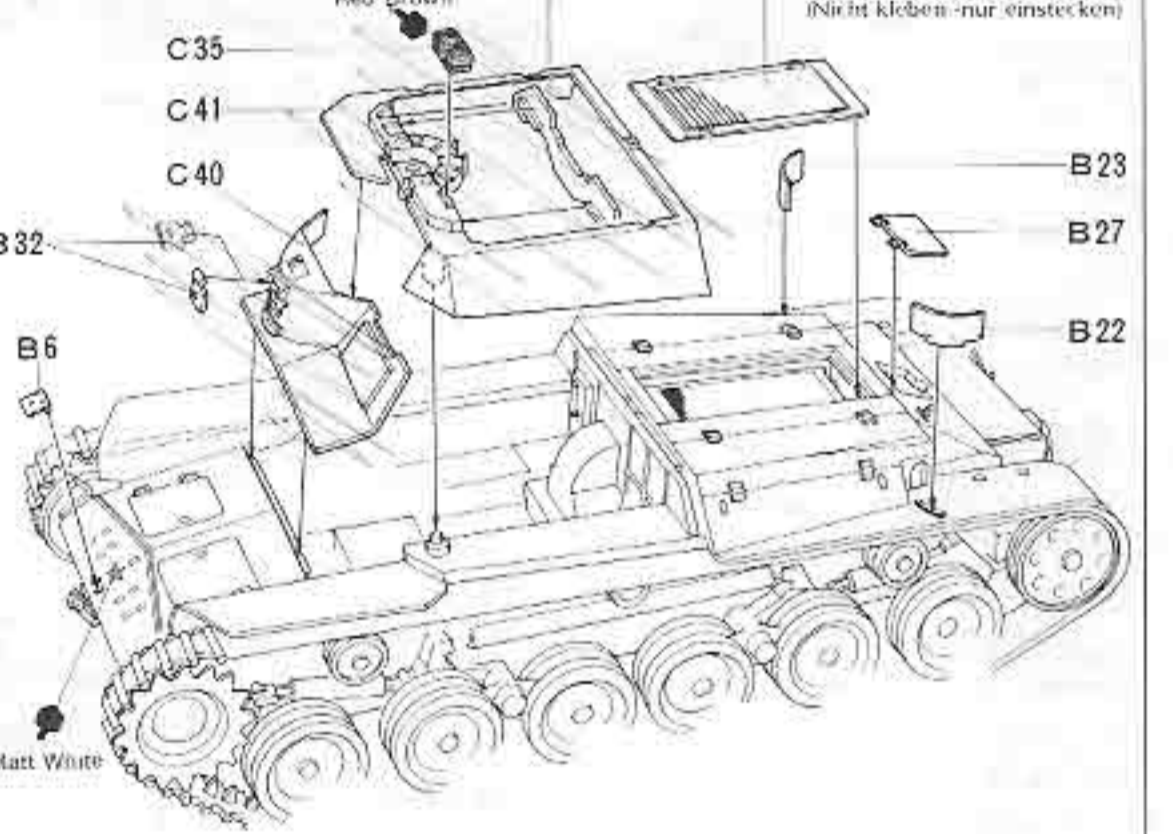


**4** Upper Hull Parts A  
Deckaufbauten A

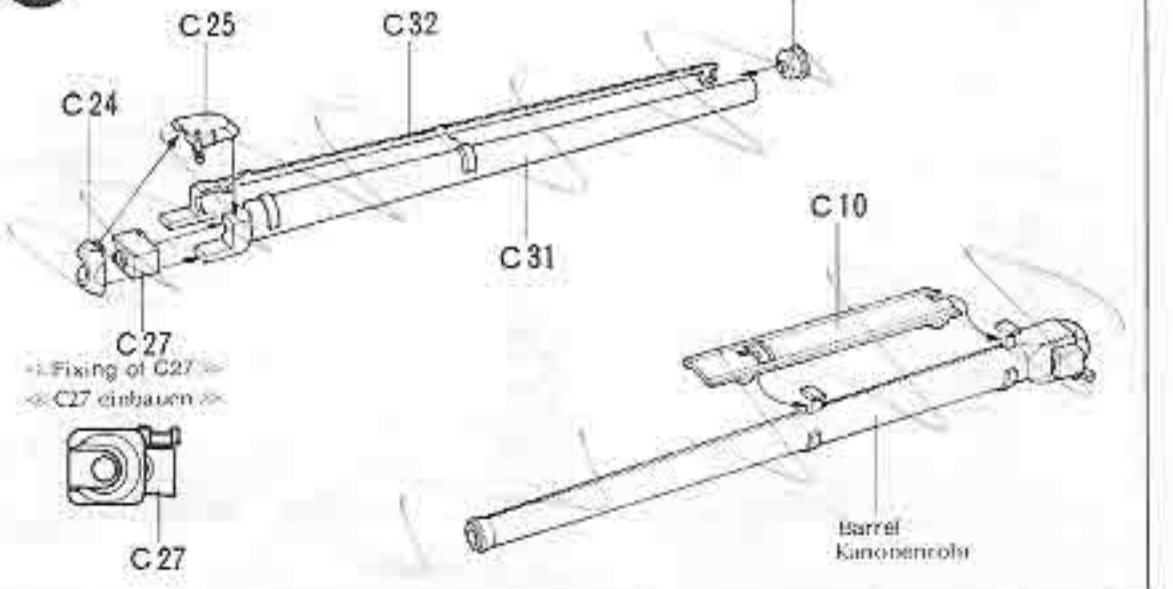
★ Glue upper hull to lower  
★ Klebe Ober—und Unterteil



**5** Upper Hull Parts B  
Deckaufbauten B

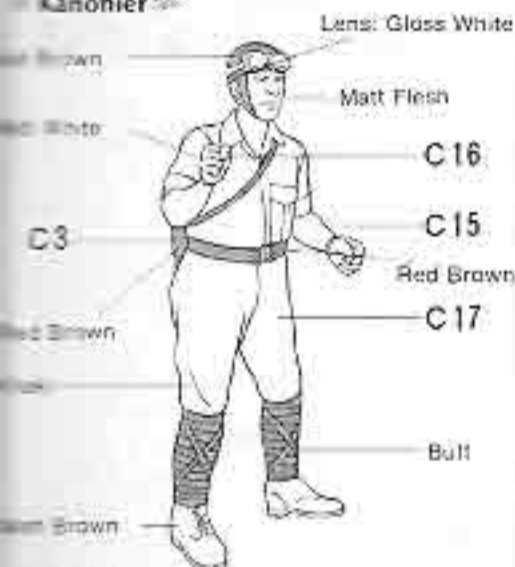


**6** Barrel  
Kanonenrohr

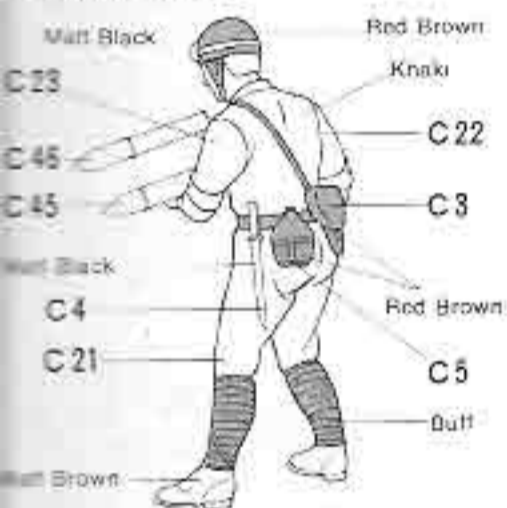


**3** Gun A  
 Kanone A  
 and Recuperator: Do not cement  
 Rohr und Vorholer: Nicht kleben

Figure  
 Mannchenbau  
 Gunner  
 Kanonier



Loader  
 Ladekanonier

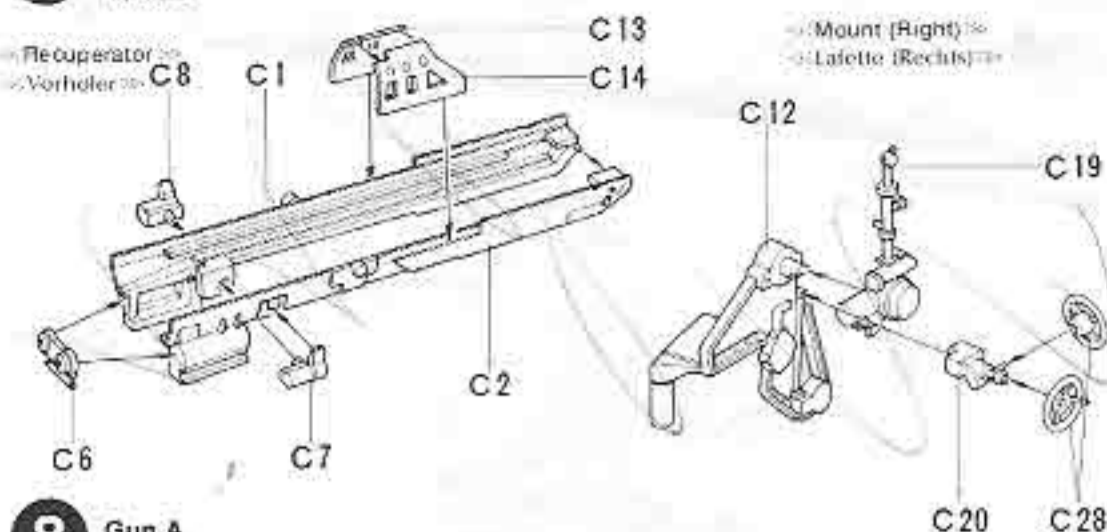


Shell  
 Geschoss

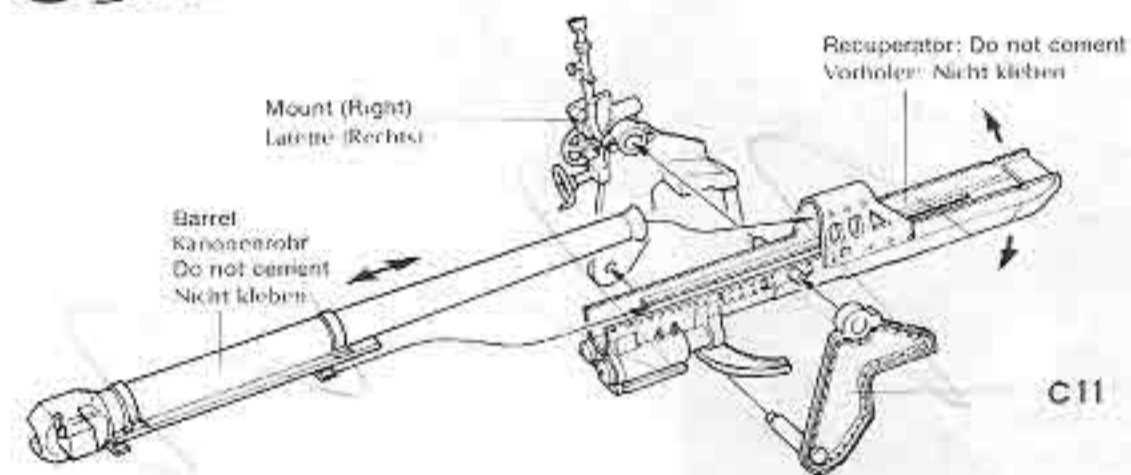
Select either C45 or C46  
 Entweder für C45 oder C46



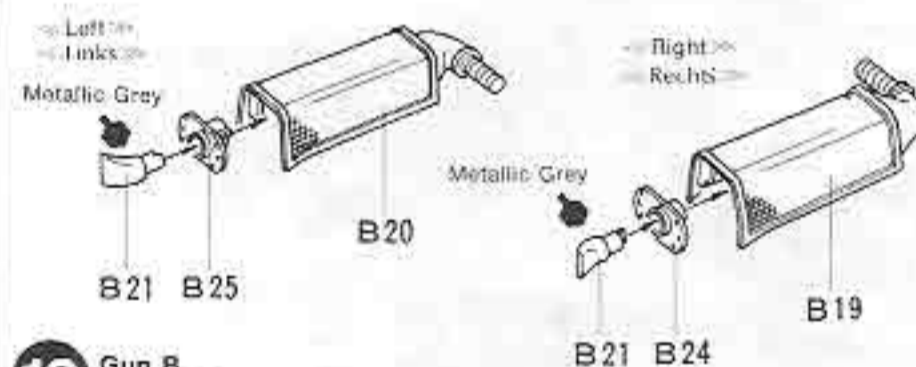
**7** Mount  
 Lafette



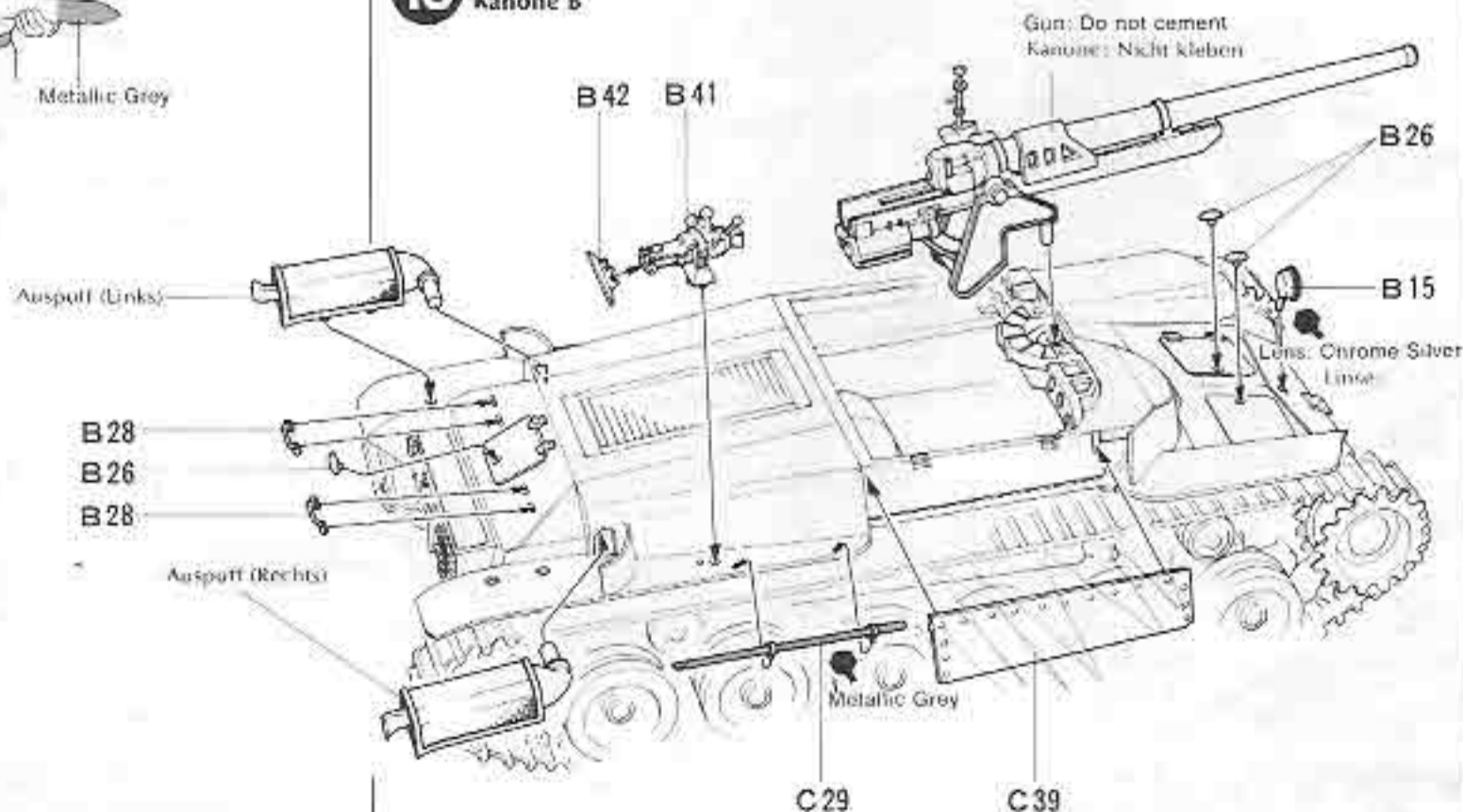
**8** Gun A  
 Kanone A



**9** Muffler  
 Auspuff

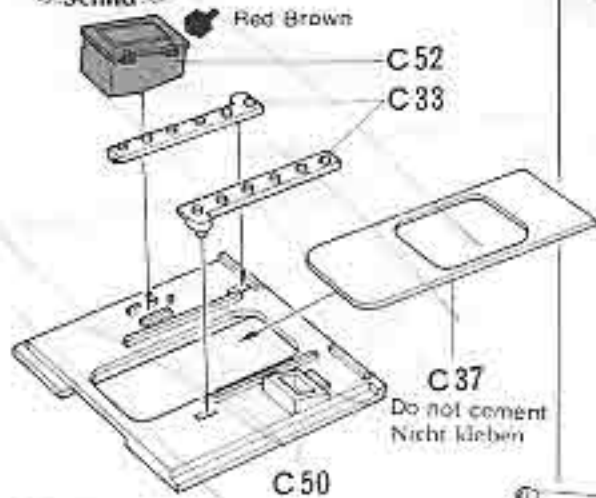


**10** Gun B  
 Kanone B



**11** Completion  
Endmontage

Shield  
Schild



★ First fix C33  
★ Erst C33 einbauen

Figure  
Figur



BUILT A COLLECTION OF TAMIYA  
1/35 SCALE TANK AND ARMORED  
CAR MODELS

JAPAN TYPE 97 TANK



SU-122 RUSSIAN ASSAULT GUN



BRITISH L.R.D.G. CHEVROLET



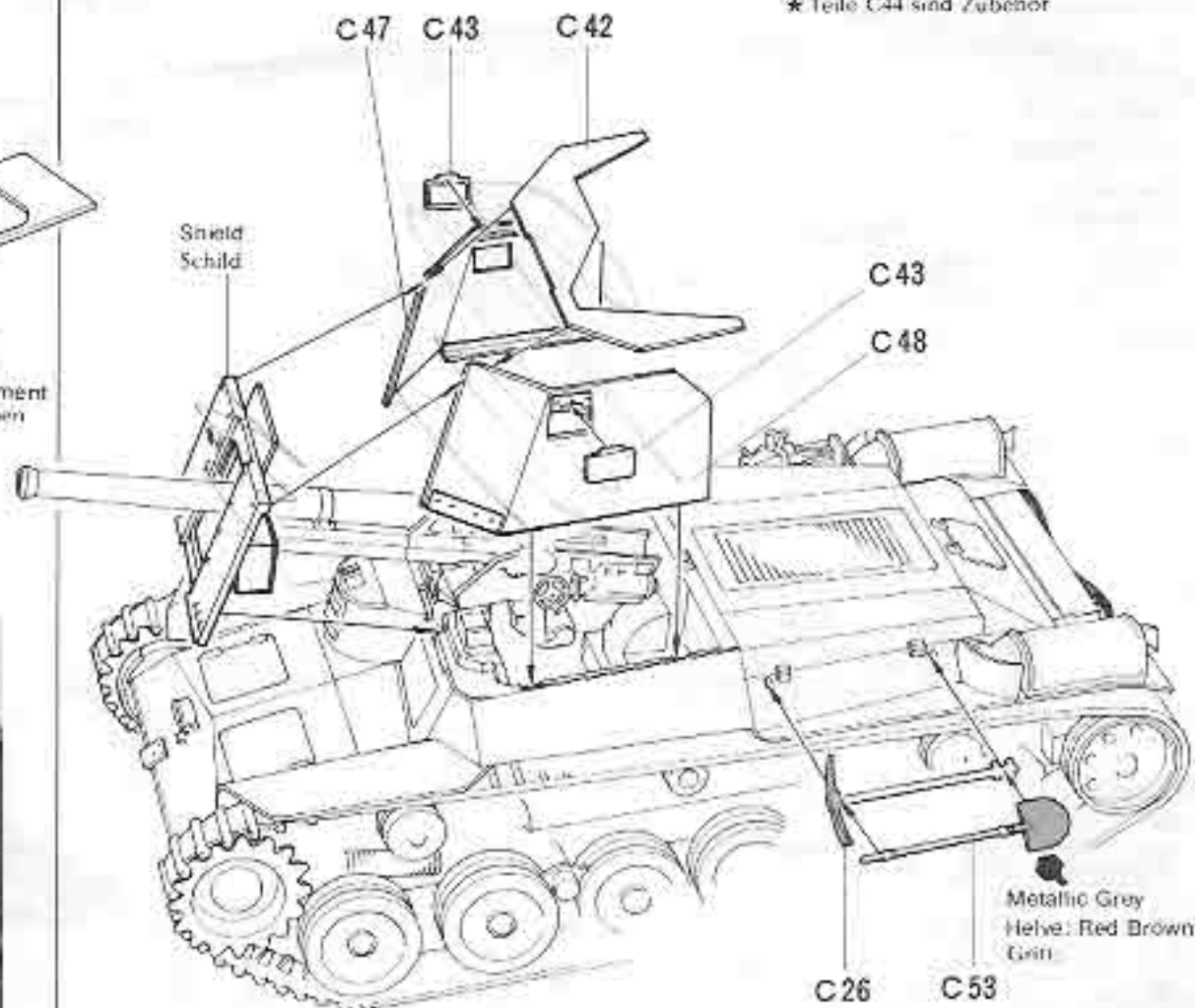
GERMAN PANZER KAMPE WAGEN  
Ausf. D



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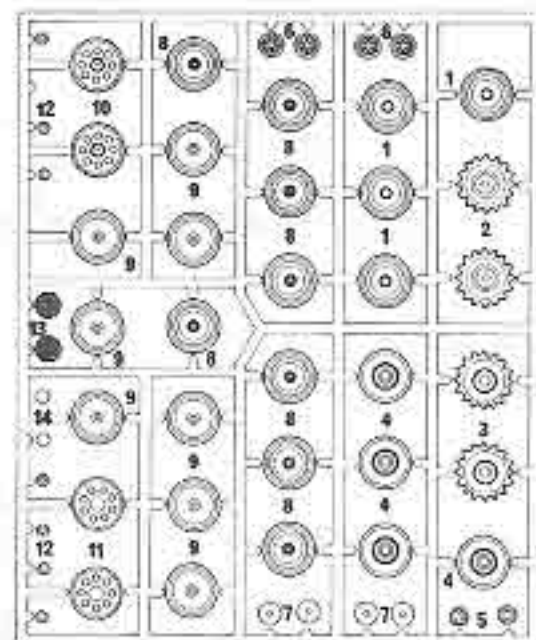
**11** Completion  
Endmontage

\* Parts C44 are accessory parts  
\* Teile C44 sind Zubehör



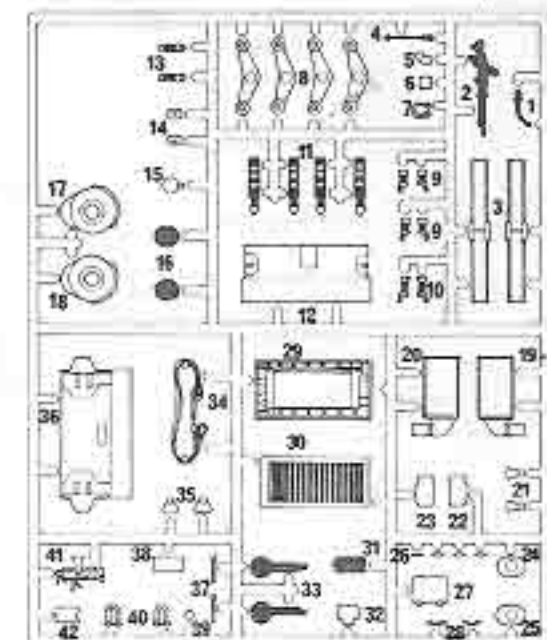
**A** Parts

Unnecessary part: A13  
Unnötig Teil



**B** Parts

Unnecessary part: B 1,2,4,16,31,33  
Unnötig Teil



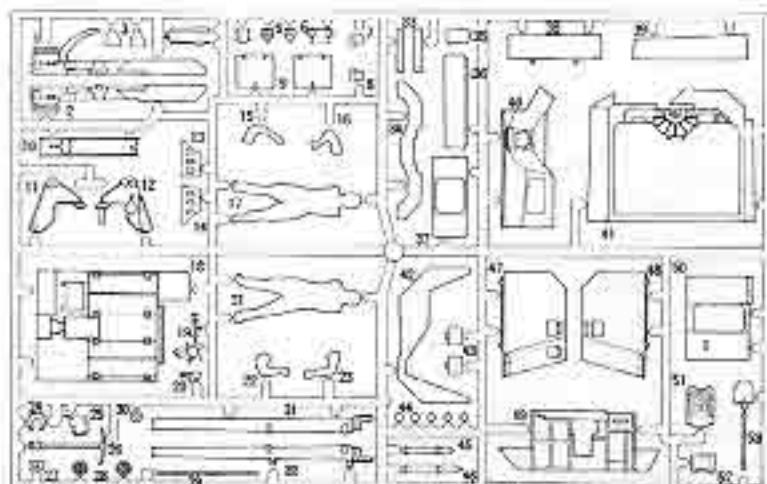
**C** Parts

Parts C44 are accessory parts  
Teile C44 sind Zubehör

Poly Cap



Part 1 is unnecessary part  
Teil 1 ist unnötig



# PAINTING



# APPLYING DECALS

## Painting of the Type 1 Ho-ni

Japanese Self Propelled 75 mm Gun Tank Type 1 Ho-ni were basically painted three colours, darkgreen, earth and Dark Red Brown, and had unique camouflage patterns, a fleeting cloud pattern, in these colours. There are no fixed rule as to camouflage patterns according to where the tanks are used. The inside painting of open turret is a single khaki colour. Some vehicles had a single khaki colour on their painting. Such fleeting cloud patterns could also have the satisfactory effects of misleading the size and shape of the vehicle as well as of overawing the enemy.

## Bemalung des Type 1 Ho-ni

Japanische 75mm Selbstfahrlafette hatten einheitliche Tarnung: dark green, earth und Dark Red Brown wurde dann aufgemalt.

### Colour to be used

- Matt Black
- Matt Brown
- Metallic Grey
- Dark Green
- Red Brown
- Chrome Silver
- Buff
- Khaki
- Gold
- Red Brown
- Matt Flesh
- Dark Red Brown

### Applying Decals

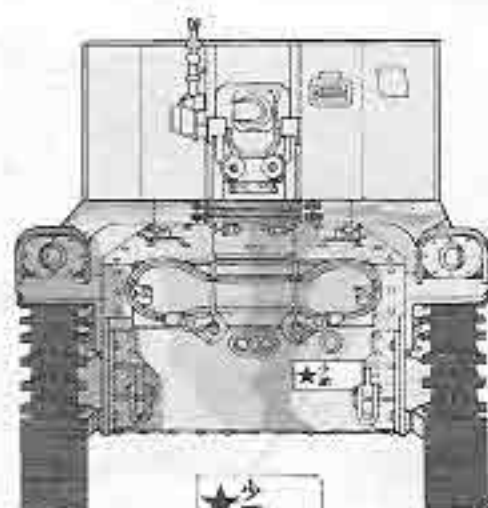
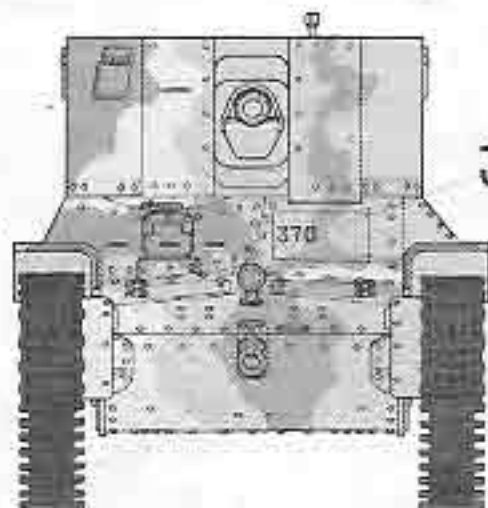
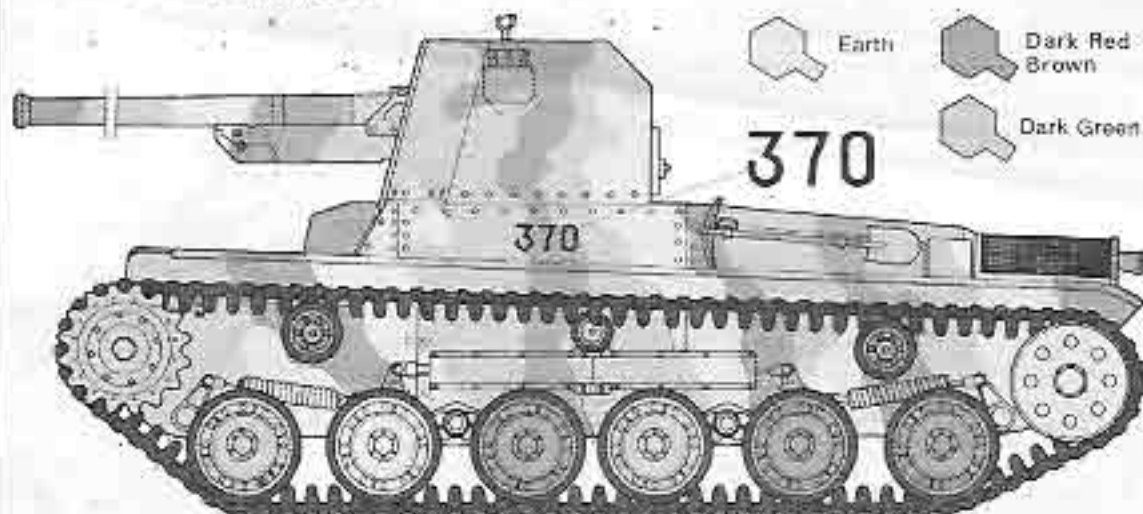
### Abzichbilder

When applying Decal, refer to the figure on the right for this.

Beachten Sie beim bauen das Bild

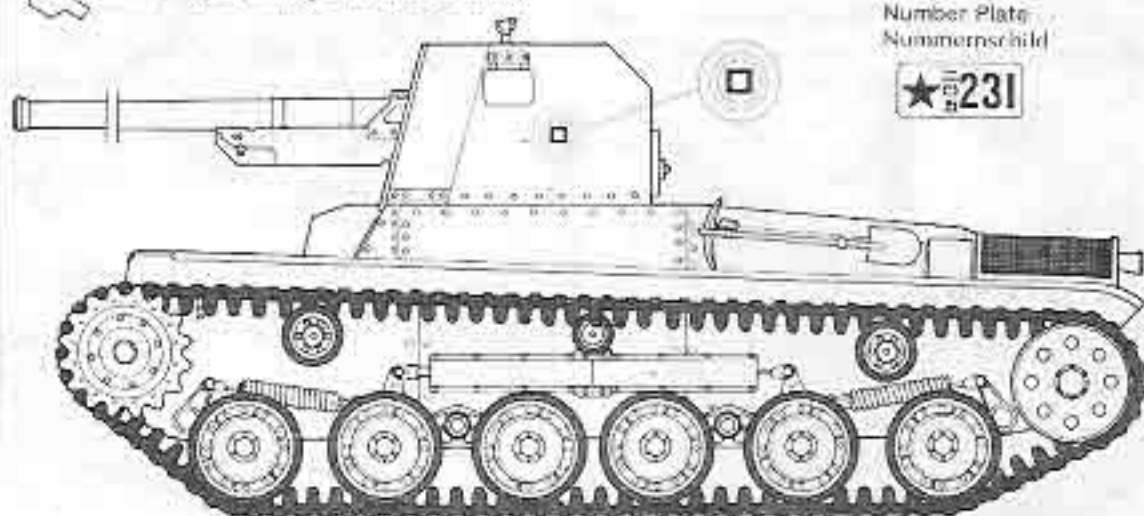
## Painting and Marking of 75mm Gun Tank Type 1 Ho-ni

Vehicle of Field Artillery School



Vehicle of the 2nd Company, 2nd Artillery Regiment, 2nd Tank Division

Camouflage Painting used three colours

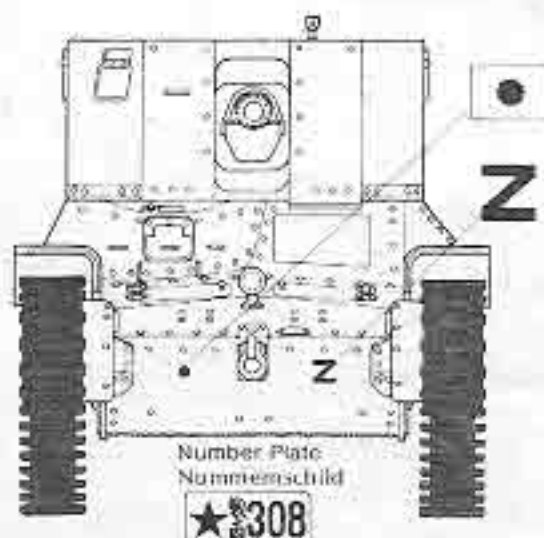


Number Plate  
Nummernschild

★ 231

Vehicle of 4th Platoon, 14th Tank Regiment

Camouflage Painting used three colours

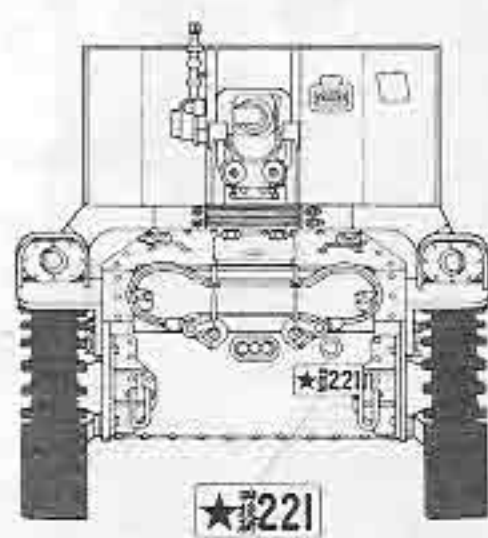


Number Plate  
Nummernschild

★ 308

Vehicle of the 4th Army Technical Laboratory

Camouflage Painting used three colours



★ 221