

# M4A3 SHERMAN

1/35 MILITARY MINIATURE SERIES  
U.S. MEDIUM TANK M4A3 SHERMAN  
(75mm GUN-LATE MODEL)



The M4 series of U.S. Sherman tanks was the most widely produced tank during World War II and several examples can still be seen in secondary service in many parts of the world today. It was rugged, unsophisticated, and perfectly suited for mass production and a total of over 55,000 were produced in all variations. The M4A3 version of this excellent medium tank was first put into production in late 1942 by the Ford Motor Company, with a production run of 1690 units, completed in Sept 1943. These early M4A3's still utilized the dry ammunition stowage and the 60 degree glacis hull. An additional 3071 units were produced with the revised wet ammo stowage and the newer commanders cupola, making the M4A3 version the most produced Sherman tank, and the one selected for use in the postwar years. Although originally designed to utilize the aircooled aircraft radial engine, the M4A3 was the first to adopt the Ford V8, liquid cooled, 500hp engine, which provided a sustained top speed of 26mph on smooth highways. The M4A3 used the VVSS (Vertical Volute Spring Suspension) system, and a one piece cast steel armoured transmis-

sion cover. Early models of the M4A3 still had the direct vision slots for the driver, but during the middle of the production run, these were augmented by a protective canvas and glass cover to protect the driver from the elements during inclement weather. To better maneuver and traverse soft terrain, extended end connectors for the tracks, called Duckbills, were added as the need arose. Many of the early M4A3's had extra 1" thick applique armour welded to the hull over the ammunition storage bins, and the gunners position in the turret. Later models deleted this due to the wet ammo storage, which helped to prevent internal fires. To prevent spare parts and maintenance problems, most units of the U.S. Forces operated only the same model of tanks; however, due to field repairs, modifications and special needs, photos will show at times, a mix of M4 variants in the same combat. The majority of combat M4A3 photos show that the usual U.S. Star had been deleted from all tanks due to its high visibility as an aiming point for axis guns. Der meist produzierte Panzer ist der amerikanische Sherman. Auch heute kann man dieses Panzerfahrzeug noch

in vielen Ländern sehen. 55 000 Stück wurden davon hergestellt, einschließlich aller Abarten.

Die M4A3 Version dieses ausgezeichneten, mittleren Panzers ging Ende 1942 in der Ford Motor Company mit 1690 Einheiten in Produktion. Diese Serie war bereits im September 1943 ausgelaufen.. Es folgten weitere 3071 Einheiten mit der neueren Kommandanten-Kuppel. Diese Version wurde auch in den Nachkriegsjahren verwendet. Ursprünglich entworfen um den luftgekühlten Flugzeugmotor aufzunehmen war der M4A3 das erste Fahrzeug, in welchen der Ford V8, 500 PS Motor mit Flüssigkeitskühlung eingebaut wurde. Dies brachte eine Höchstgeschwindigkeit von ca 41 Km auf der Strasse.

Die frühen Shermans hatten noch die Sehschlüsse für den Fahrer, aber diese wurden dann durch eine Abdeckung gegen Wasser etc. ersetzt. Zum Durchqueren weichen Untergrunds wurden auf die Ketten verbreiterte Kettenendstücke aufgesteckt.. Viele der ersten Sherman hatten auch die 2,5 cm dicke Zusatzpanzerung über den Munitionskästen und auch am Turm. Der gewöhnliche U.S. Stern wurde im Kampfeinsatz entfernt, da dieser Stern ein sehr gutes Ziel für die Panzerabwehr darstellte.



**READ BEFORE ASSEMBLY.  
ERST LESEN  
— DANN BAUEN.**

★ Study the instructions, drawings and photographs before commencing assembly.

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

★ Use cement sparingly. Use only enough to make a good bond. Apply cement to both parts to be joined.

This mark shows the colour. Colour numbers denoted in instructions are available in Tamiya Acrylic Paints.

★ Vor Beginn die Bauanleitung studieren und den Nummern nach die Elemente zusammenbauen.

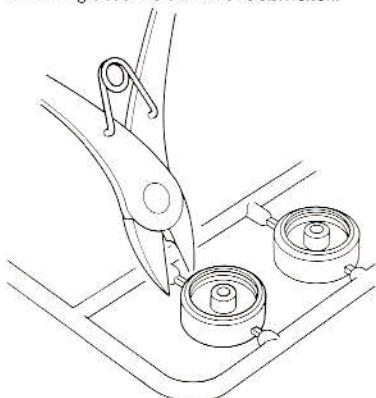
★ Bauteile nicht vom Spritzling abbrechen, vorsichtig abschneiden oder abzwicken.

★ Teile vor dem Kleben zusammenhalten und auf richtigen Sitz achten. Kleine Teile hält man mit Pinzette fest.

Dieses Zeichen zeigt die Farbe und Farbnummer der Tamiya Acrylfarben.

Do not break parts away from sprue, but cut off carefully with a pair of pliers.

Bauteile nicht vom Spritzling abbrechen, vorsichtig abschneiden oder abzwicken.



Note: Spare Poly Caps are included

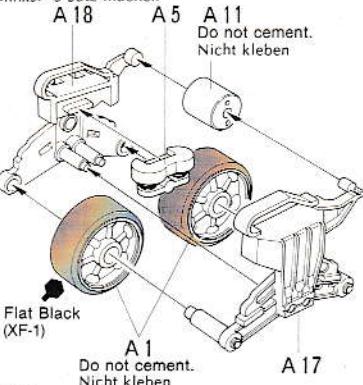
Drive Sprocket  
Kettentreibrad

#### Tamiya photo albums

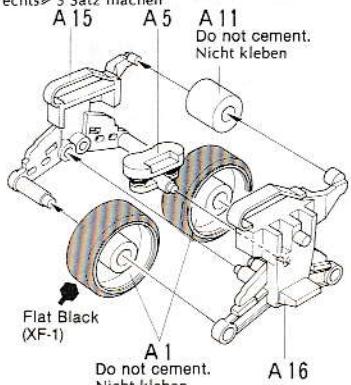
Tamiya has a complete selection of photo albums on diorama building, prize winning water line models; tanks; battlefields; remodeled 1/35 scale figures etc. Check with your nearest hobby supply house, or order direct from our factory.

## 1 Assembly of Suspension Montage der Aufhängung

«left» make 3 sets.  
«links» 3 Satz machen



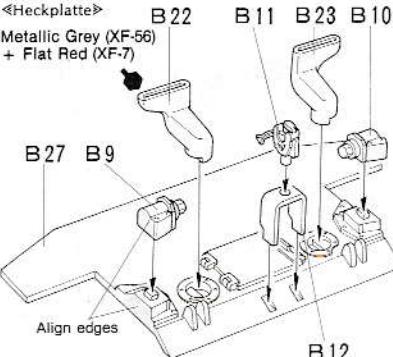
«right» make 3 sets.  
«rechts» 3 Satz machen



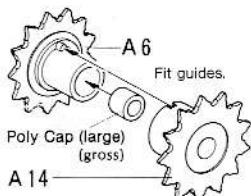
## 2 Rear Panel & Wheels Heckplatte und Räder

«Rear Panel»  
«Heckplatte»

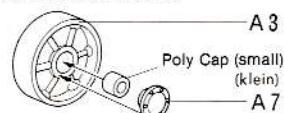
Metallic Grey (XF-56)  
+ Flat Red (XF-7)



«Drive Sprocket» make 2 sets.  
«Kettentreibrad» 2 Satz machen.



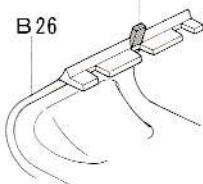
«Idler Wheel» make 2 sets.  
«Spannrad» 2 Satz machen.



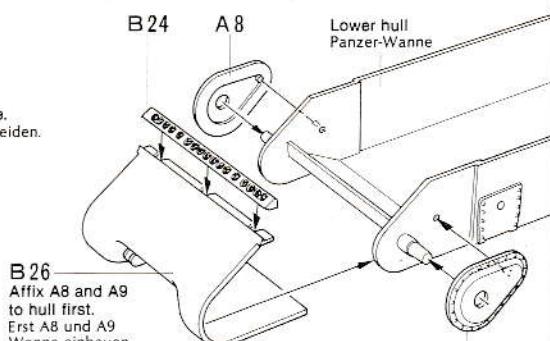
## 3 Lower Hull Panzer-Wanne

«Front»  
«Vorderteil»

Cut shaded excess off with a knife.  
Spritzrückstände mit Messer abschneiden.



Suspension (right)  
Aufhängung (rechts)



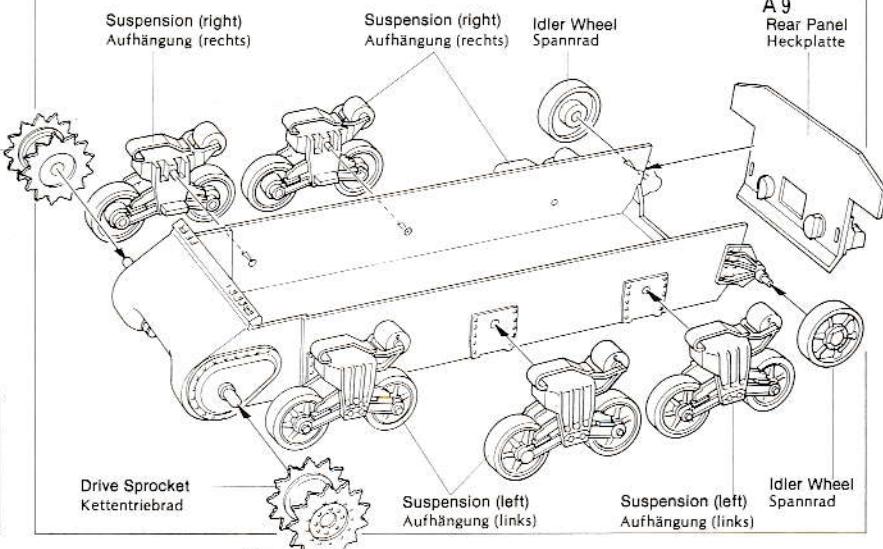
B26

Affix A8 and A9 to hull first.  
Erst A8 und A9 Wanne einbauen

Suspension (right)  
Aufhängung (rechts)

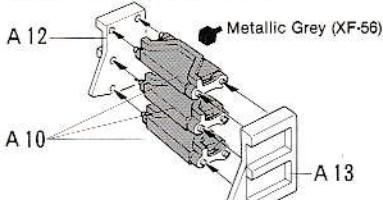
Idler Wheel  
Spannrad

A9  
Rear Panel  
Heckplatte

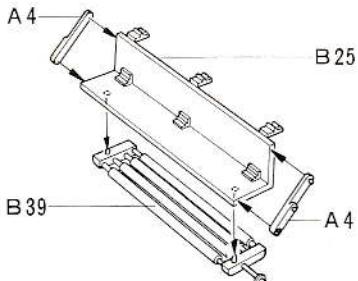


**5** «Upper Hull Parts»  
«Panzer Oberteile»

«Spare Track» make 2 sets.  
«Reserve-Ketten» 2 Satz machen.



«Shelf»  
«Lagerplatte»



«Assembly of Figures»

«Männchenbau»

«Driver»

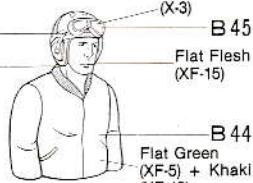
«Fahrer»

Olive Drab

(XF-62)

Flat Earth

(XF-52)



«Commander»  
«Kommandant»

Olive Drab

(XF-62)

Flat Earth

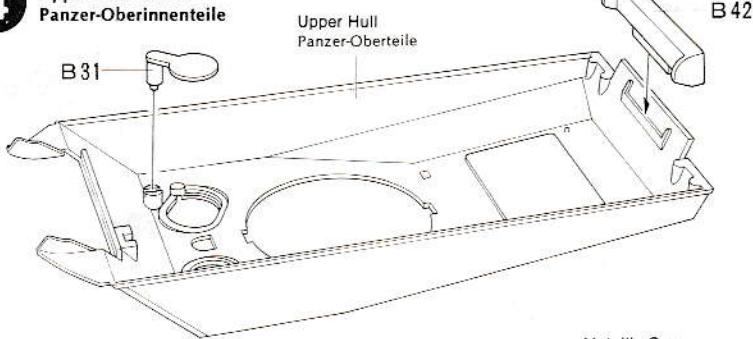
(XF-52)



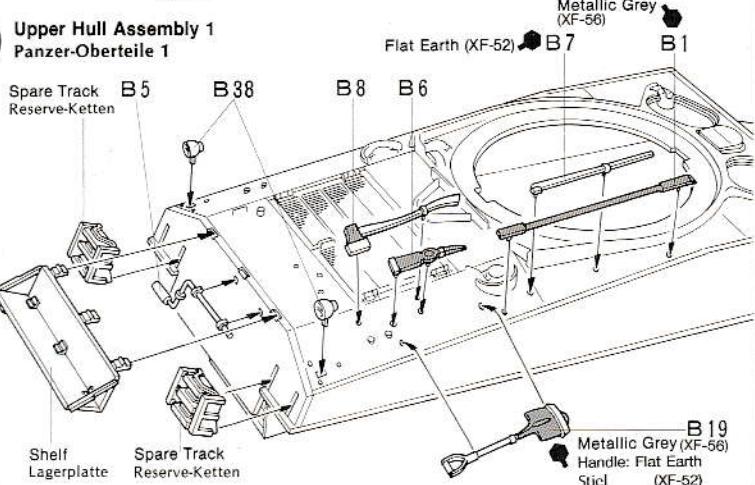
★ Goggles can be placed on face or helmet.

★ Schutzbrille entweder auf Helm oder Gesicht anbringen.

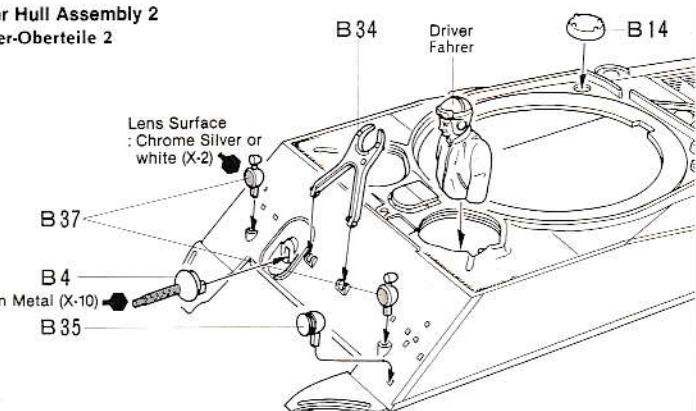
**4** Upper Hull Inside  
Panzer-Oberinnenteile



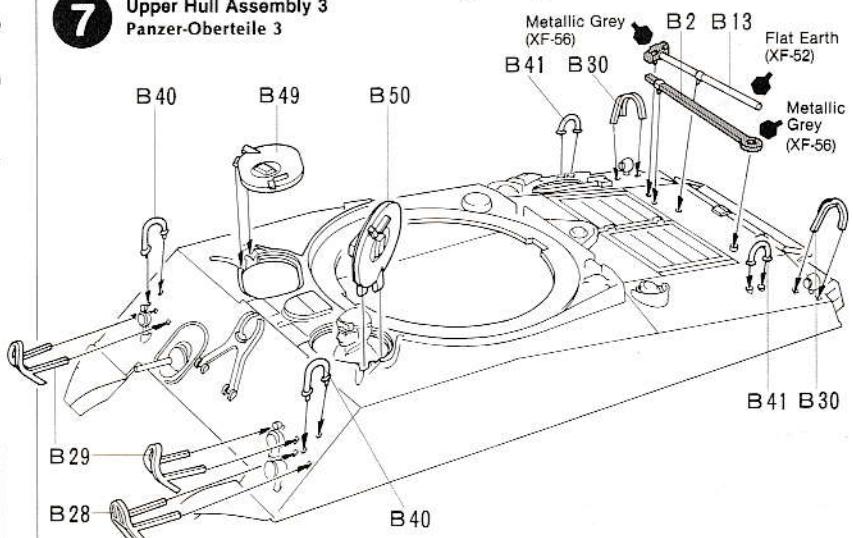
**5** Upper Hull Assembly 1  
Panzer-Oberteile 1



**6** Upper Hull Assembly 2  
Panzer-Oberteile 2



**7** Upper Hull Assembly 3  
Panzer-Oberteile 3



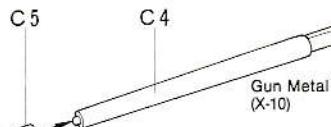
TAMIYA COLOR CATALOGUE

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## 8 <Selecting Cupola> «Auswahl der Kuppel»

Prior to entering this step, choose either new or old type cupola first, M.G. parts vary according to which cupola is mounted.

Vor Baubeginn, entscheiden ob alte oder neue Form der Kuppel eingebaut wird. M.G. Teile sind je nach Kuppel verschieden.



## 9 <Cupola Photos> «Photos der Kuppel»

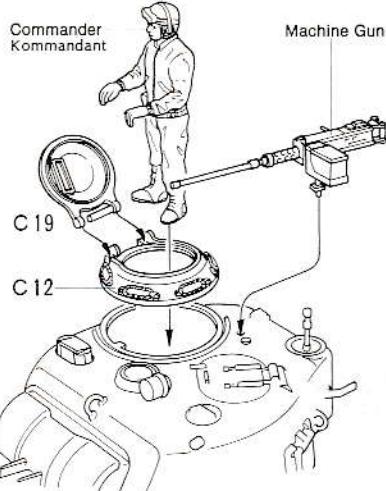
Old Type Cupola  
Alte Kuppel



New Type Cupola  
Neue Kuppel

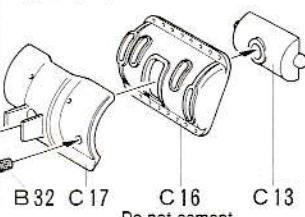


<Installing New Type Cupola>  
«Einbau neue Kuppel»

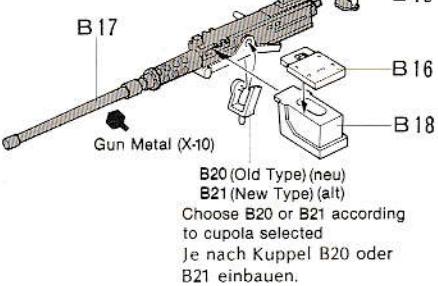


## 8 Turret Parts Turmteile

<Gun Barrel>  
«Kanonenrohr»

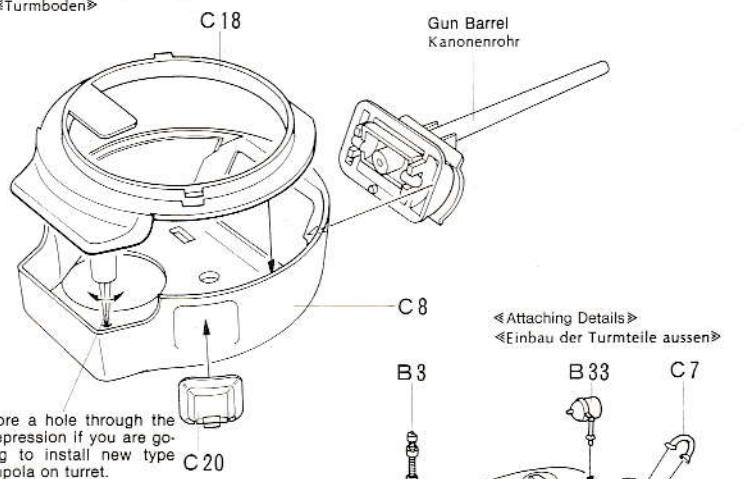


<Machine Gun>  
★ Attach B20 and B21 first.  
★ Erst B20 oder B21 einbauen.

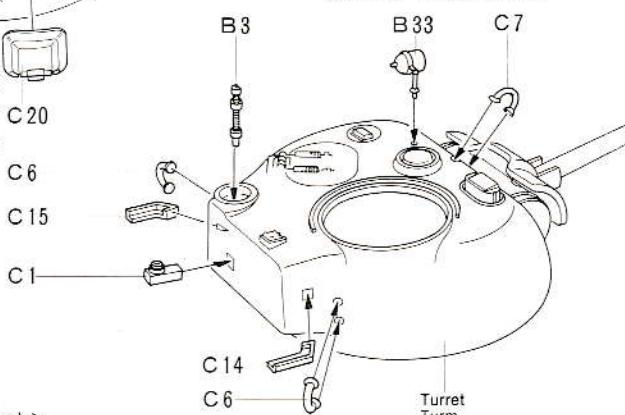


## 9 Turret Assembly Turmaufbau

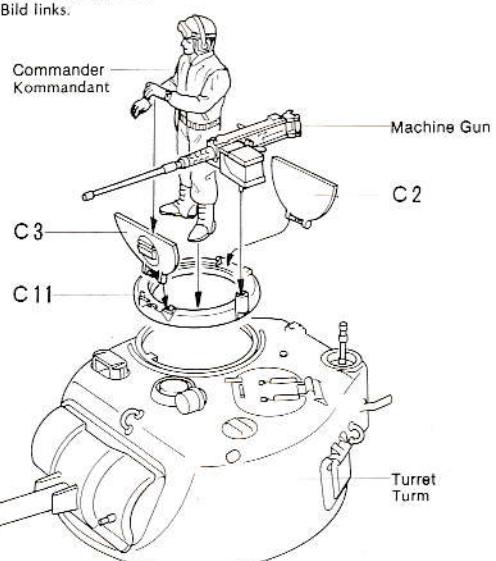
<Turret Bottom Assembly>  
«Turmboden»



<Attaching Details>  
«Einbau der Turmteile aussen»



<Installing Old Type Cupola>  
«Einbau alte Kuppel»  
★ Refer left when you install new type cupola  
★ Neue Kuppel: siehe Bild links.

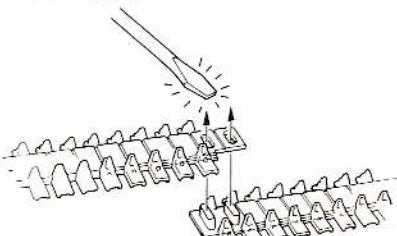


## «Construction of Tracks»

«Kettensmontage»

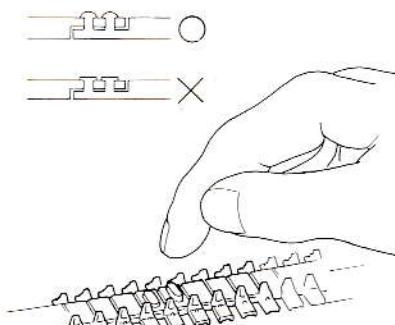
Melt pin heads carefully with a heated screwdriver or such.

Zapfenkopf mit heißen Schraubenzieher verschmelzen.



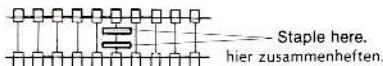
Immediately after, press pin heads with your finger.

Sofort Zapfen gerade pressen.

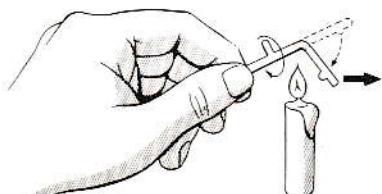


If track is broken, strengthen with staples or thread.

Bei Kettenbruch mit Heftklammern oder Draht flicken.



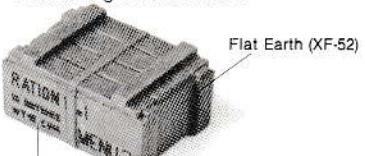
«How to make Antenna»  
«Antennenbau»



Heat a length of sprue. When melted a little, stop heating and pull to stretch it. Hold for about 15 seconds to cool.

Ein Stück vom Spritzling über Kerze gerade biegen. Dann in der Mitte im Drehen erhitzen. Wenn Plastik schmilzt, nicht weiter erhitzen und langsam aus einanderziehen.

«Markings on Wooden Boxes»  
«Markierung auf Holzkisten»



Apply also to the other side.



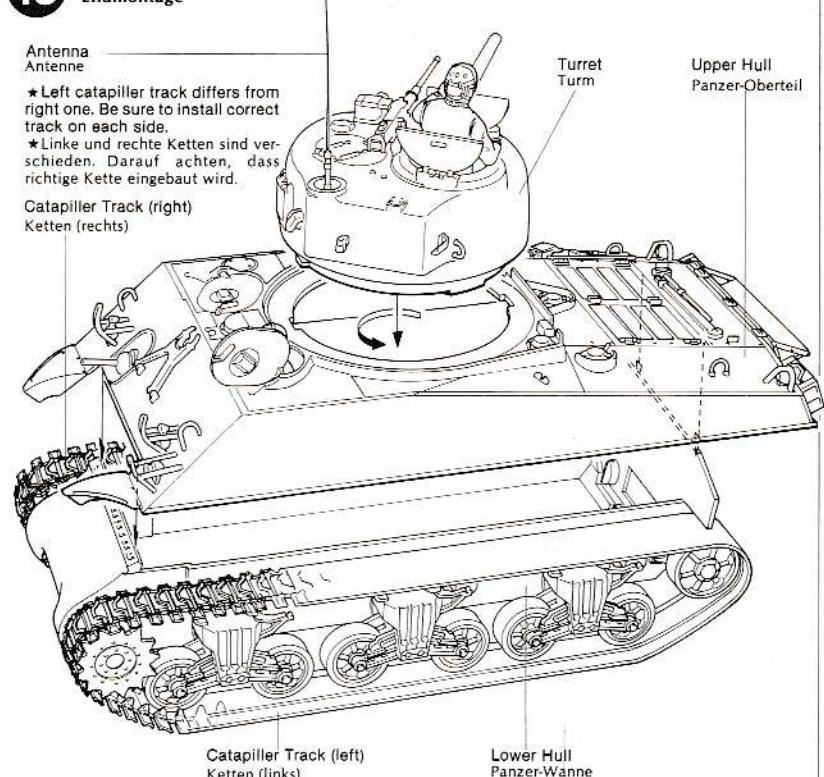
Apply also to the other side.

## 10 Final Assembly Endmontage

Antenna  
Antenne

★ Left catapiller track differs from right one. Be sure to install correct track on each side.  
★ Linke und rechte Ketten sind verschieden. Darauf achten, dass richtige Kette eingebaut wird.

Catapiller Track (right)  
Ketten (rechts)



## 11 Installing Accessories Zubehör

★ Attach accessories anywhere you like; However, armoured plates C9 and C10 should be positioned as shown in the photos.

★ Das Zubehör kann verschieden aufgeklebt werden. C9 und C10 aber an richtiger Stelle anbringen.

Spare Track  
Reserve-Ketten  
B 51



Spare Track  
Reserve-Ketten  
B 51

★ Kit contains parts for 1 tank.  
★ Der Kit enthält Teile für einen Panzer.

# PAINTING



# APPLYING DECALS

## «Painting of M4A3 Sherman»

### «Bemalung des Sherman M4 A3»

The standard colour was overall olive drab, and fresh from the factory the entire tank, except for the machine gun, lights and tracks were so painted in a dull finish OD. During winter combat, some tanks were white washed with a water soluble white paint camouflage.

Der Panzer kam in der Standard Farbe Olive-drab aus der Fabrik. Im Winter Einsatz, wurden einige Fahrzeuge mit wasserlöslicher weißer Farbe bemalt.

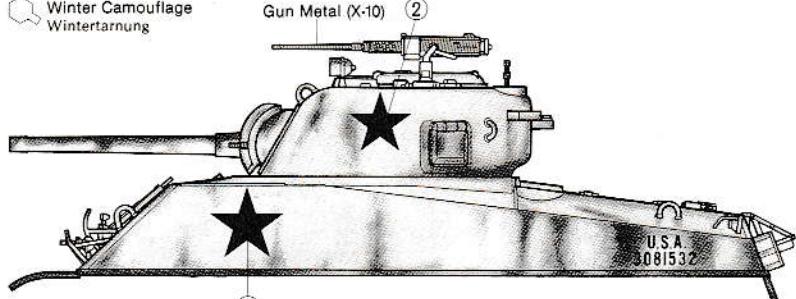
### «Colours Required»

#### «Bemalungen benötigt»

Gun Metal	X-10
Flat Black	XF-1
Flat White	XF-2
Flat Flesh	XF-15
Khaki	XF-49
Flat Earth	XF-52
Buff	XF-57
Olive Drab	XF-62

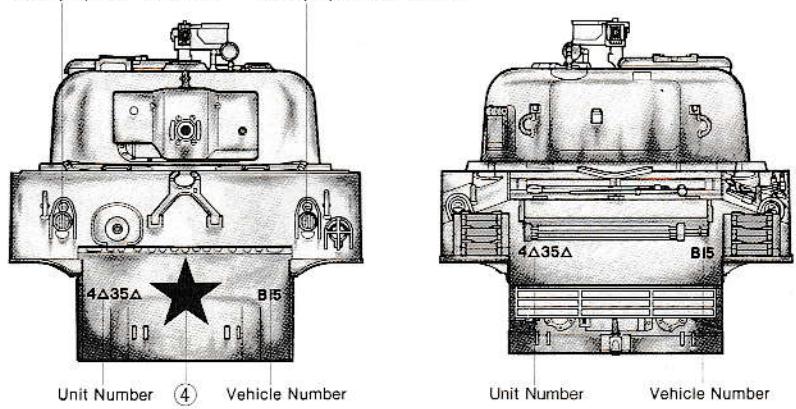
## Ardenne December 1944

Winter Camouflage  
Wintertarnung



White (X-2) or Chrome Silver

Gun Metal (X-10) ②



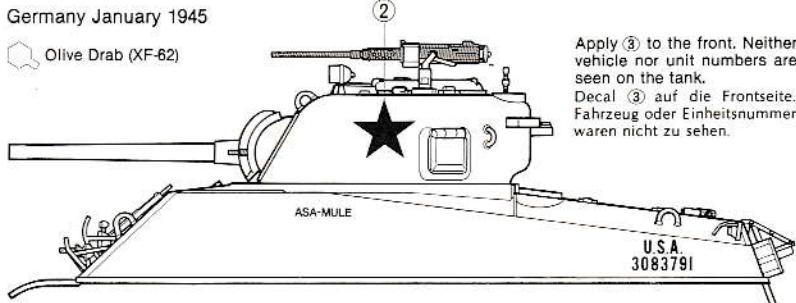
White (X-2) or Chrome Silver

## Germany January 1945

Olive Drab (XF-62)

Apply ③ to the front. Neither vehicle nor unit numbers are seen on the tank.

Decal ③ auf die Frontseite.  
Fahrzeug oder Einheitsnummer waren nicht zu sehen.

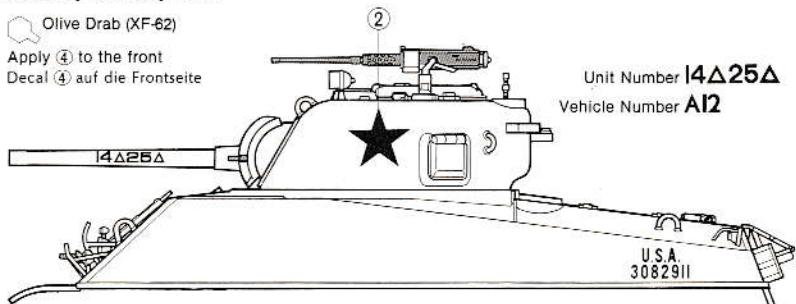


## Germany February 1945

Olive Drab (XF-62)

Apply ④ to the front  
Decal ④ auf die Frontseite

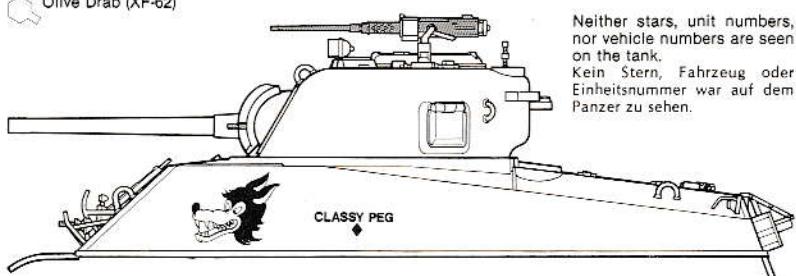
Unit Number 14Δ25Δ  
Vehicle Number A12



## Philippines January 1945

Olive Drab (XF-62)

Neither stars, unit numbers, nor vehicle numbers are seen on the tank.  
Kein Stern, Fahrzeug oder Einheitsnummer war auf dem Panzer zu sehen.

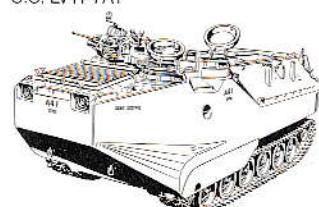


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