



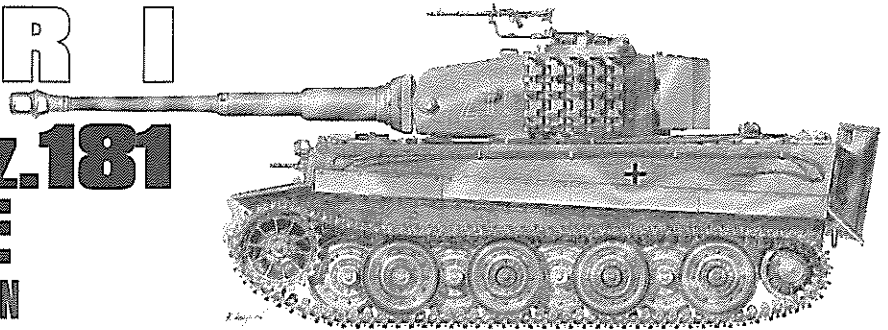
## Panzerkampfwagen VI

# TIGER I

## Sd.Kfz.181

## Ausf.E

### LATEST VERSION



#### German " Tiger I " Heavy Tank ( Late Version ) Background

The German tanks engaged with British and French tanks in Europe battle field 1940s, heavy armored tanks of allied armies were well protected against German gun fire, but the German tanks also suffered seriously damage in those engagements.

On 26. May. 1941, Adolf Hitler, the sovereign of third Reich ordered Hanschell and Prosche companies to develop a new type of heavy tank, which has stronger gun and protection to break enemy defense off.

Those 2 companies demonstrated the prototype before Adolf Hitler on 20. Apr. 1942, and the Hanschell VK 4501 (H) was the choice later, it typical title as Sd. Kfz. 181, but Adolf Hitler also named it as " Tiger " directly.

Total weigh of " Tiger I " are 57 tons, it wheels in decompound arrangement for diffusibility, but still poorly motorized. A KwK 36 L/56 8.8 mm gun installed on the turret for launch various shells, made a serious hazard to allied armies.

Tiger I entered service on Jul. 1942, it development has undergoing with escape exit on turret, also replacing with new commander turret and engine in the later years.

At the beginning of Jan. 1944, new steel wheels replaced "disc wheels", this is the "Late Version" of Tiger I. Armored shield on the top of turret has enhanced from 25mm to 40mm, and there is also a grenade launcher in turret for close combat on Mar. '44.

Later the Tiger I added a Tzf9c gun-sight and removed a periscope on the front cover shield. On Jun. A framework for 2 tons crane machine on the top of turret been added, until production finished on Aug. '44.

From Aug. 1944 to the end of WW II, the Tiger I threatened allied troops seriously, especially in it marvelous armor and powerful gun, but poor mobility was condemned, few production became a legend weapon in WW II.

#### Sd.Kfz.181Ausf.E TIGER I (Latest Version)

德國裝甲部隊在1940年的西歐戰場上與英、法聯軍的戰車交鋒,裝備厚重裝甲的聯軍戰車頓時讓德軍的反戰車火力顯得乏力,德軍自己貧弱的裝甲更增加了戰場上的損失,1941年5月26日希特勒下令漢夏爾與保時捷公司開始競逐研製一種重裝甲戰車,具有充分的火力與防護力,使之能夠成功的突破敵人的陣地。1942年4月20日在希特勒面前兩家公司公開展示了樣車,隨後由漢夏爾公司的樣車VK4501(H)雀屏中選,其制式名稱爲Sd.Kfz.181,希特勒並稱其爲"虎"式戰車。

虎式戰車爲承載重達57噸的車重,車輪採複式重疊布局以求分散接地壓,但仍不能避免行動的遲緩,其砲塔搭載了改良自高射砲的KwK36 L/56 8.8釐米火炮,能夠發射多種砲彈對當時的盟軍戰車造成了極大的威脅。虎式戰車自1942年7月正式就役後,仍然不斷的進行改良,諸如在砲塔上增加了逃生口,更換了新型的車長指揮塔及發動機等,1944年1月起新式全鋼製承載輪取代了碟型承載輪,至此概略被稱爲後期生產型,而1944年3月以後的生產車又將砲塔頂部裝甲由25mm增厚至40mm,並增加了一具近迫防衛的車內榴彈發射器,4月後採用了新式Tzf9c瞄準鏡,主砲防盾上的覘視孔也由兩個減少爲一個,6月起在砲塔上增加了2噸吊架的固定座,至8月"虎"式結束生產爲止。

從1942年8月的投入戰場至大戰結束,"虎"式戰車憑藉著厚重的裝甲與強力的火炮,一度讓它的對手們產生了極大的恐懼,雖然其機動性始終受人詬病,生產數量也不是很多,但仍不愧成爲二次大戰期間陸戰的傳奇武器。

## **Deutscher Schweres Panzres (Späte Version) Hintergrund Des "TIGER-I"**

**Das deutsche Panzer engagierte sich in britischem und französisches Panzer in den Europa Schlacht-Feldvierziger Jahren, schweres gepanzertes Panzer der verbundeten Armeen wurden gut gegen deutsches Gewehrfeuer geschützt, aber der Deutsche Panzer erlitt auch ernsthaft Beschädigung in jenen Verpflichtungen.**

**Auf 26. Mai. 1941, das souveräne von Drittes Reich Adolf Hitler, bestellte Henschell und Porsche Firmen, zum einer neuen Art schweres Panzer zu entwickeln, das stärkere Gewehr und den Schutz, zum der feindlichen Verteidigung abzubrechen hat.**

**Jene 2 Firmen demonstrieren den Prototyp vor Adolf Hitler auf 20. Apr 1942 und das Henschell VK 4501 (H) waren die Wahl später, es typischer Titel als Sd Kfz. 181, aber Adolf Hitler nanntenes auch als "Tiger" direkt.**

**Gesamtmenge wiegen "vom Tiger, den I" 57 Tonnen sind, dreht er innen decompound Anordnung für Diffusionsvermögen, aber noch motorisierte schlecht. Ein KwK 6 L/56 8.8 Millimeter Gewehr angebracht auf den Drehkopf für Produkteinführung verschiedene Oberteile, gebildete eine ernste Gefahr zu verbundeten Armeen.**

**Eingetragener Service des Tiger I an Jul. 1942, hat er Entwicklung das Durchmachen mit Entweichen Ausgang auf Drehkopf und auch ersetzt mit neuem Kommandantdrehkopf und -maschine in den neueren Jahren.**

**Am Anfang Jan. 1944, dreht sich neue Stahlrader ersetzte "Scheibe", ist dieses die "späte Version" des Tiger I. Armored, das Schild auf die Oberseite des Drehkopfes von 25mm bis 40mm erhöht hat, Und es gibt auch eine Granateabschussrampe im Drehkopf für nahen Kampf auf Marz ` 44.**

**Später addierte der Tiger I ein Tzf9c Gewehr-anvisieren und entfernten einen Periscope auf dem vordere Abdeckung Schild. An Jun. Ein Rahmen für 2 Tonnen strecken Maschine auf die Oberseite des Drehkopfes hinzugefügt, bis Produktion auf Aug. ` 44 beendete.**

**Von einem Aug. 1944 zum Ende von Weltkrieg 2, bedrohte der Tiger verbundene Truppen ernsthaft, besonders in ihm erstaunliche Rüstung und leistungsfähige Gewehr, aber schlechte Mobilität wurde, wenig Produktion wurde eine Legeüde Waffe in Weltkrieg 2 verurteilt.**

### **La storia**

Il carro pesante tedesco "Tiger 1", ultima versione, partecipò a quasi tutte le più importanti battaglie che negli anni 40 lo vide contrapporsi, sui vari fronti europei, ai carri inglesi e francesi.

Negli scontri diretti con il Tiger, nonostante le robuste corazzature ed un più che adeguato armamento, i carri alleati risultarono sempre poco competitivi e scarsamente efficaci.

Il 26 maggio 1941 il dittatore del terzo Reich, ordinò alle officine Henschell e Porsche di sviluppare un nuovo tipo di carro armato pesante, che fosse dotato dell'armamento più distruttivo possibile e della corazza più efficace, in grado di spazzar via qualunque difesa nemica.

Queste due industrie presentarono un primo prototipo il 20 aprile 1942. Il nome in codice scelto dalla Henschel per questo nuovo veicolo inizialmente fu VK4501 (H), ma in seguito divenne universalmente noto con la sigla Sd.Kfz. 181. Hitler, impressionato dalla aggressiva energia che questo nuovo mezzo era capace di sviluppare lo soprannominò "Tigre".

Il peso totale del Tigre 1 era di 57 tonnellate, le ruote del treno di rotolamento distribuivano il peso sui cingoli in modo uniforme ed al tempo stesso contribuivano alla protezione dello scafo. Il peso e le dimensioni del Tiger resero però inadeguata la pur potente motorizzazione.

Il cannone KwK 36 L/56 da 88 mm. montato sulla torretta aveva una capacità di fuoco micidiale.

Il Tigre 1 entrò in servizio nel luglio del 1942. Successivamente la torretta fu modificata con l'applicazione di un portello che, in casi di emergenza, era in grado di assicurare all'equipaggio una rapida evacuazione. In successive versioni vennero montati una torretta di nuovo tipo (commander turret) ed un motore più potente.

Nel gennaio del 1944, furono apportate altre importanti modifiche che costituiscono l'ultima versione del Tiger 1, la "late version": il carro fu dotato di un nuovo tipo di ruote per rimpiazzare gli originali "disc wheels" e lo spessore della corazzatura della torretta fu aumentato da 25 a 40 mm.

Nel marzo dello stesso anno il Tiger fu dotato di una lancia granate per combattimenti ravvicinati, poi fu installato un sistema di mira Tzf9c in sostituzione del periscopio sulla scudatura anteriore ed infine, a giugno, si aggiunse in cima alla torretta una struttura su cui poter montare una gru da 2 tonnellate.

Ad agosto del 1944, la produzione del Tiger 1 cessò.

Fino alla fine della guerra il Tigre 1 continuò comunque a rappresentare una seria minaccia per le truppe alleate soprattutto per il suo poderoso armamento e per l'efficacissima corazzatura che lo rendeva poco vulnerabile.

Il suo maggior difetto rimase sempre la motorizzazione che ne impediva un rapido dispiegamento sui vari fronti in continua evoluzione.

Grazie a tutti i suoi pregi ed ai pochi difetti, il Tigre 1 è tra le poche armi della 2ª guerra mondiale ad essere diventato una vera leggenda.

### Illustration: 圖示說明



### Method For Applying Decals:

1. Clean Model Surface With Wet Cloth.
2. Cut Out Of Decal Sheet And Dip Them In Water For 15 Seconds.
3. Place it on proper position on model.
4. Slide off base paper leaving decals On Model With Wet Finger Tip.
5. Move Decals To Exact Position, Push Out Excess Water Under Decal With Soft Cotton Cloth.
6. When Decals Get Dry Then Complete.

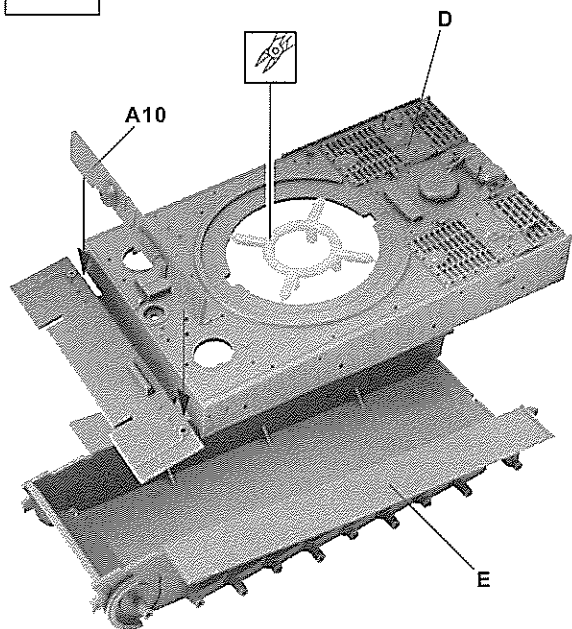
### 水貼紙使用說明:

1. 將模型表面擦乾淨
2. 將貼紙剪下泡入清水中約15秒
3. 將泡濕之貼紙取出置於欲貼處旁
4. 用指尖輕推貼紙表面使其滑出底紙
5. 將貼紙調整至適當位置並輕擦拭水份
6. 待其自然乾燥後即完成

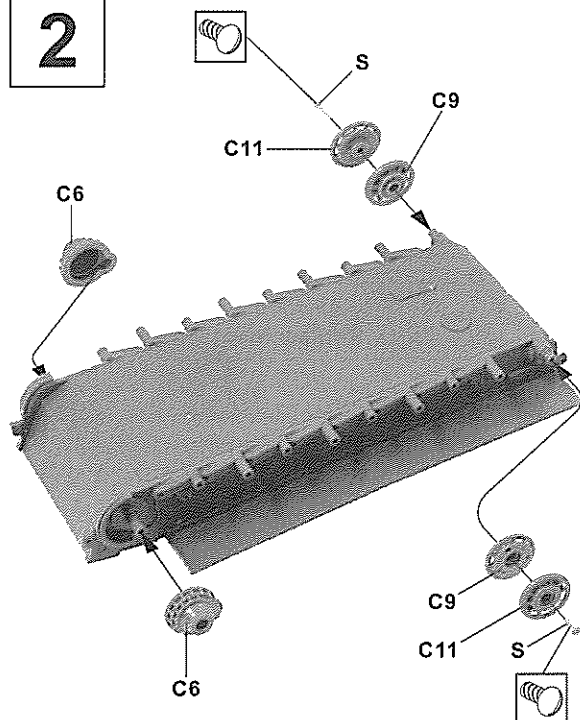
### Color list: 塗料表

Color	Brand	GSI Creos (Gunze Sangyo)			Humbrol	Revell	Life Color
		Hobby Color	Mr. Color	Mr. Color Spray			
Wood brown	木棕	H-37	C-43	J-43	34	05	UA085/ UA125
Dark green	深綠	H-36/H-405	C-70	J-70	149	363	UA083
Dark yellow	深黃	H-79	C-39	J-39	83	16	UA081
Steel	黑鐵	H-18	C-28	J-28	53	91	LC76
Tire black	輪胎黑	H-77	C-137		85	302	LC02
Red brown	紅褐	H-47	C-41	J-44	160	383	UA082
Metallic green	亮綠	H-89	C-77	J-77	131	364	
Flat white	消光白	H-11	C-62	J-62	34	05	LC01

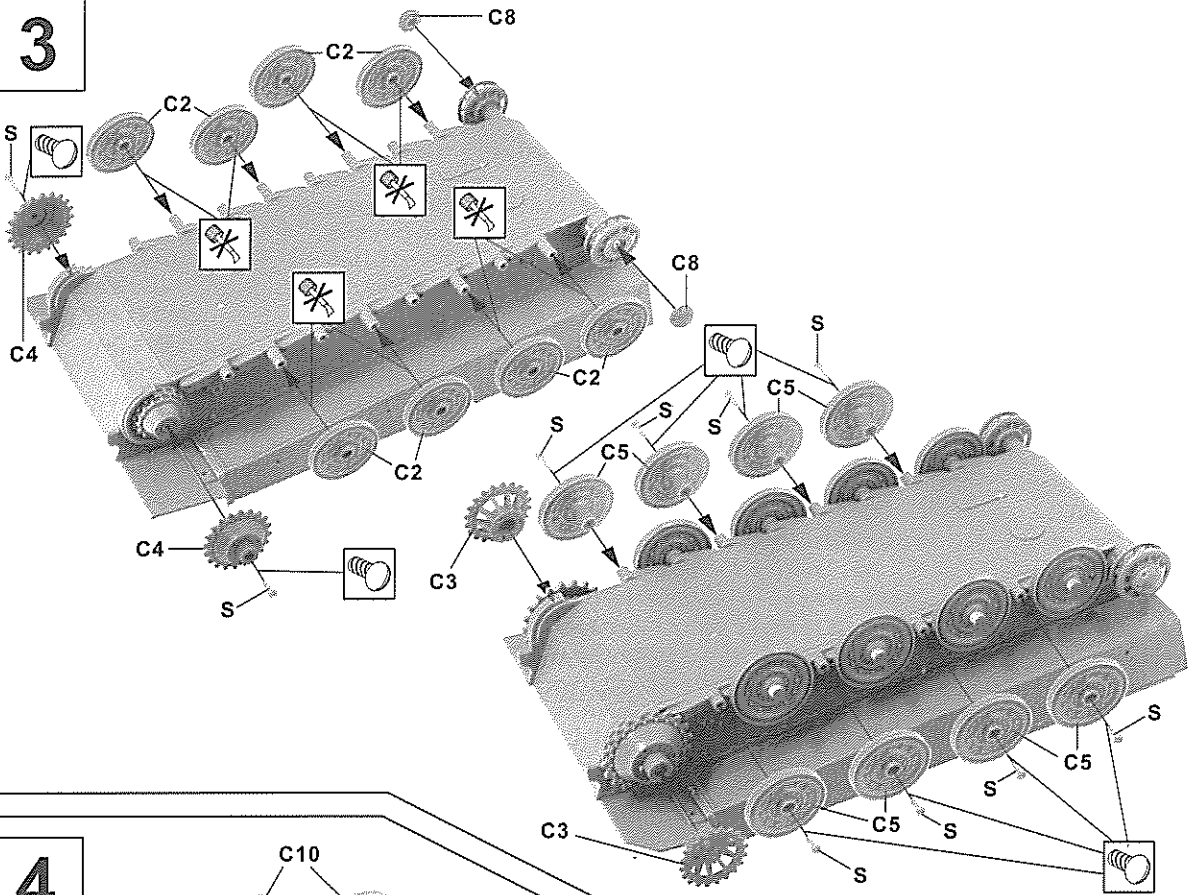
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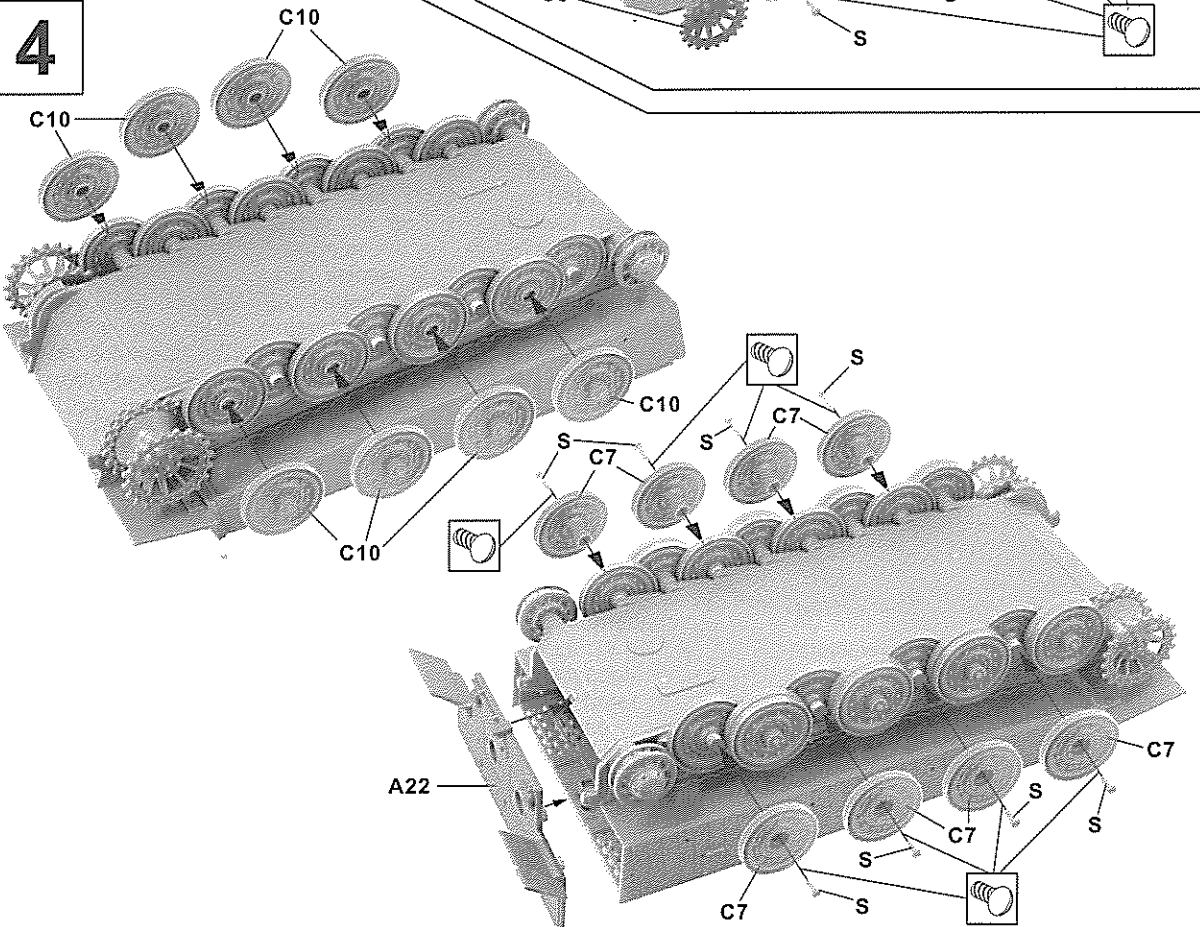
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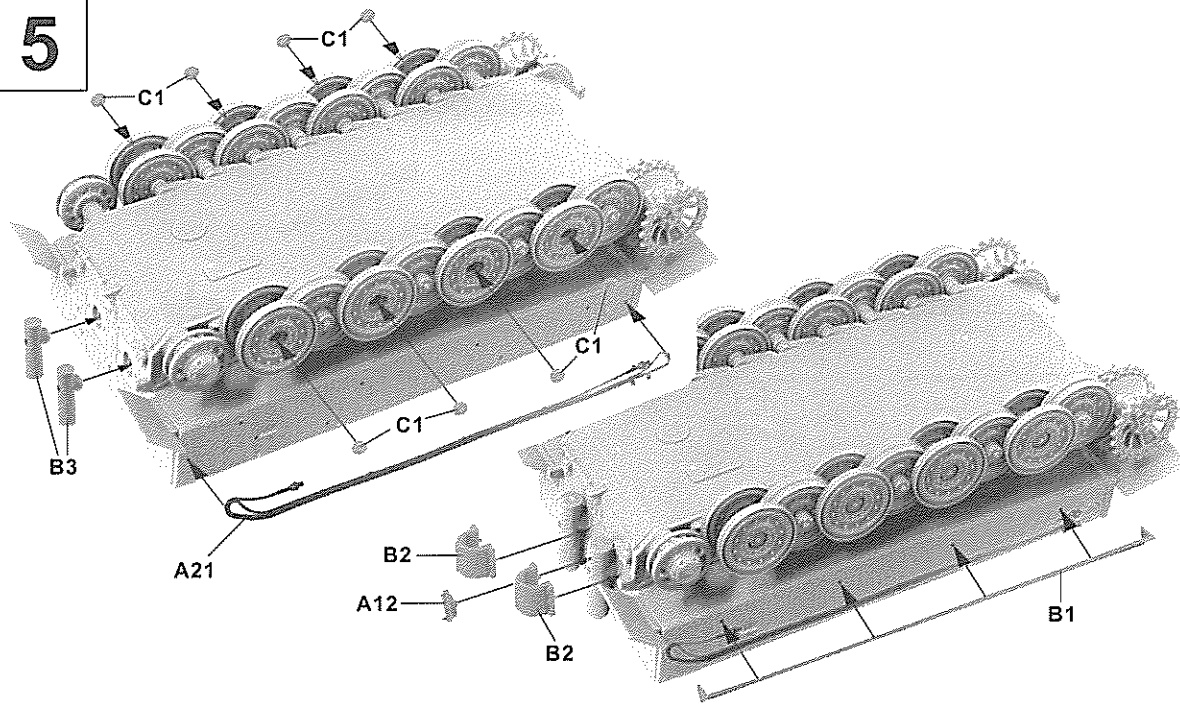
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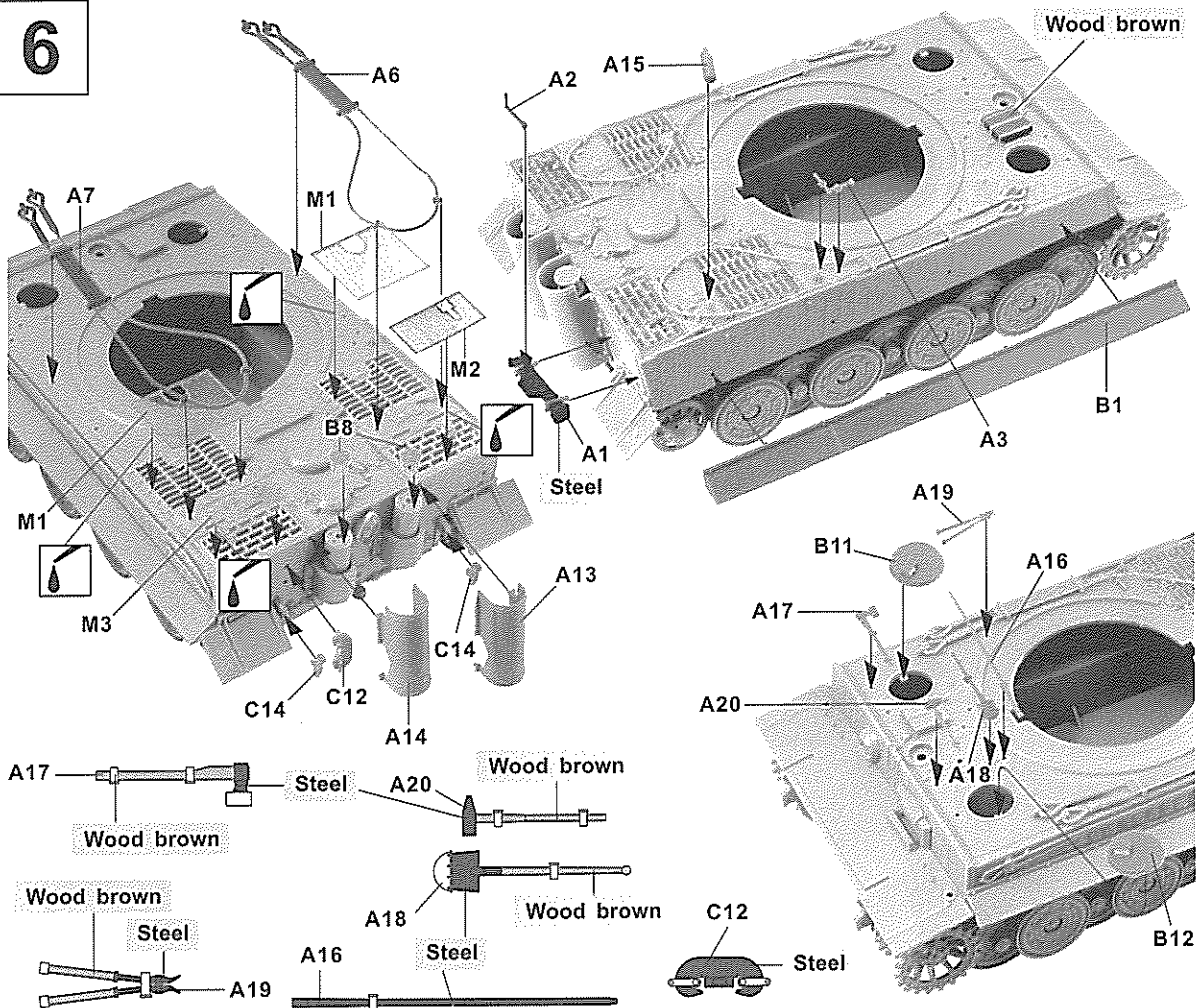
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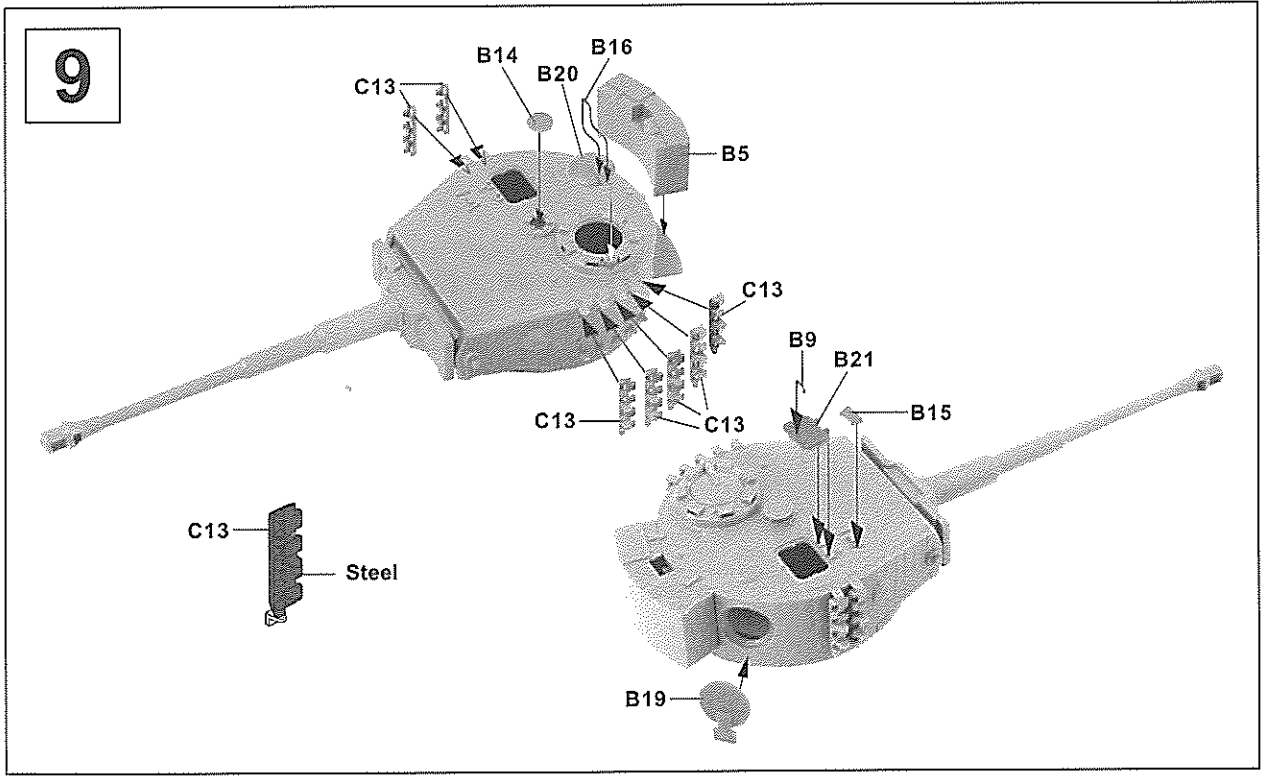
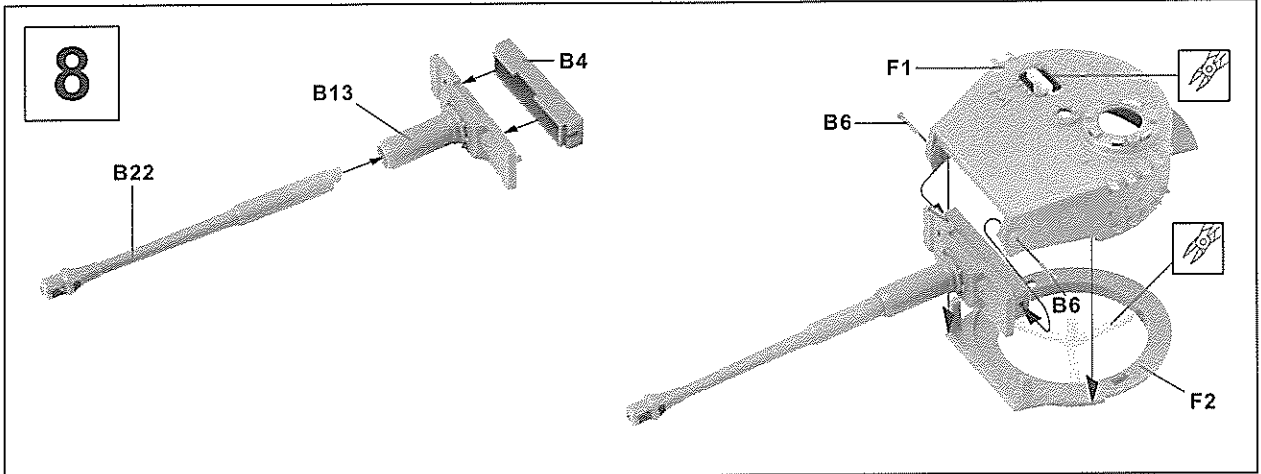
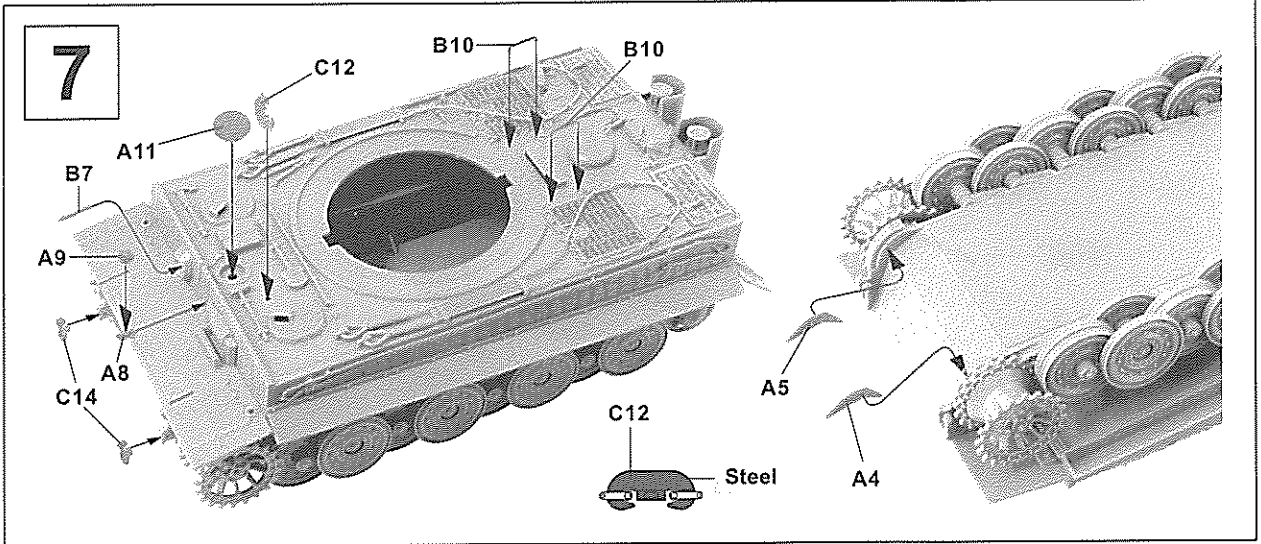


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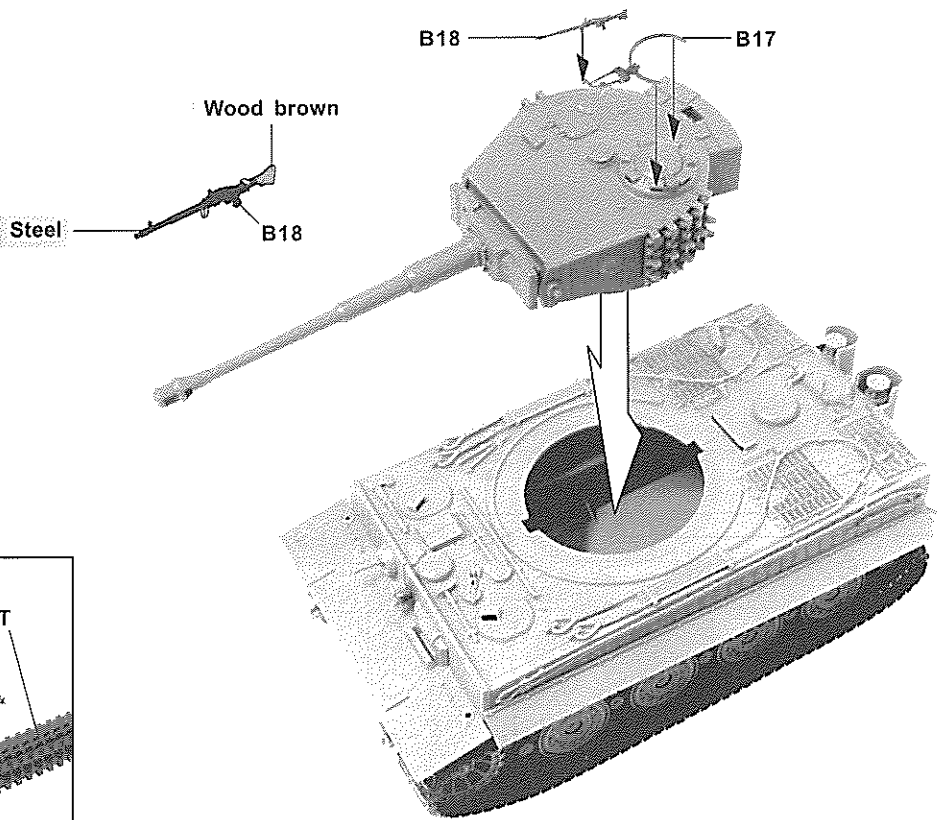
6







10



A

SS-Pz.-Abt. 102, Normandy, 1944.  
 黨衛軍第102重戰車營, 1944年諾曼第

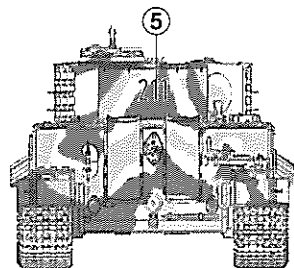
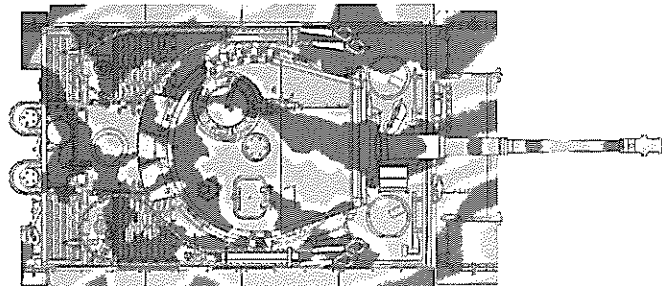
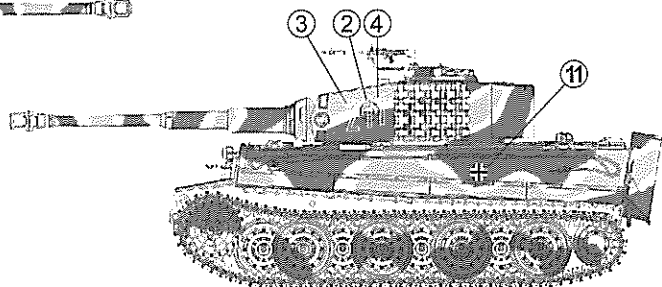
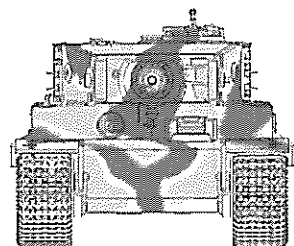
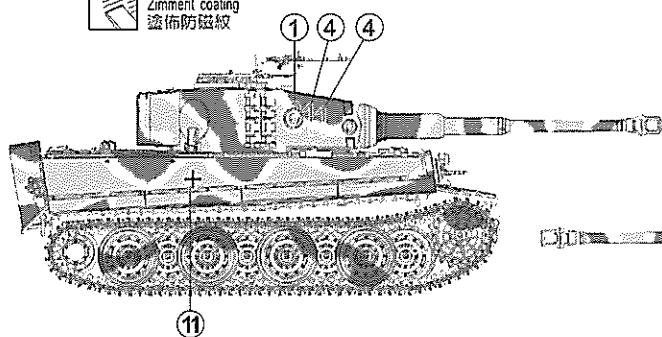


Body Color:  Red Brown  
 Dark Yellow

 Olive Green



Zimmerit coating  
 塗佈防磁紋



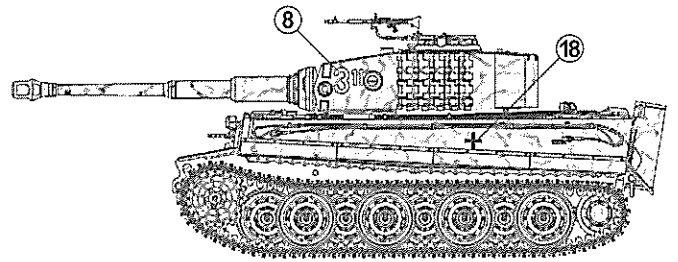
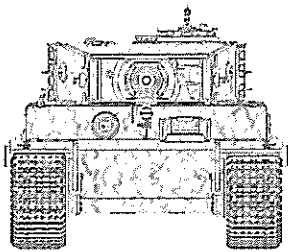
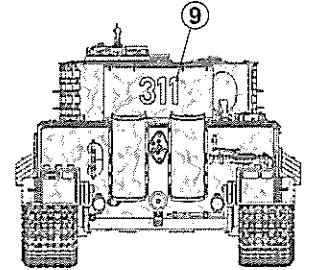
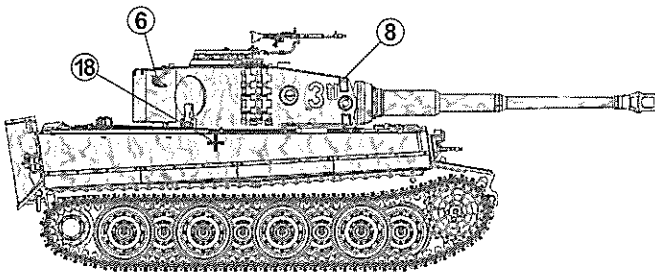
**B**

Pz.-Abt. 504, Italy, June 1944.  
 第504重戰車營, 1944年6月義大利






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 Dark Yellow

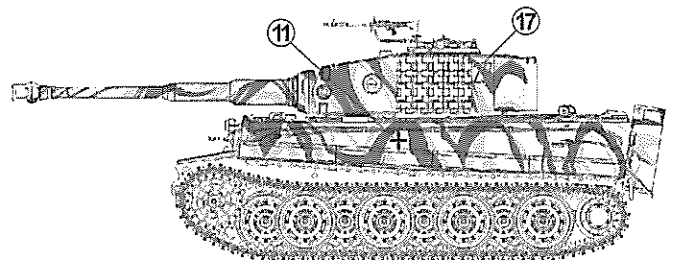
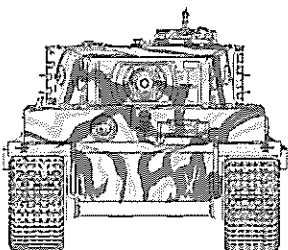
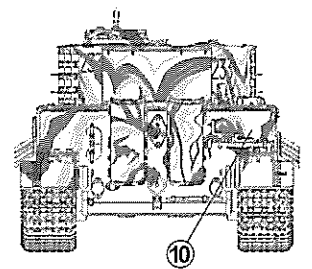
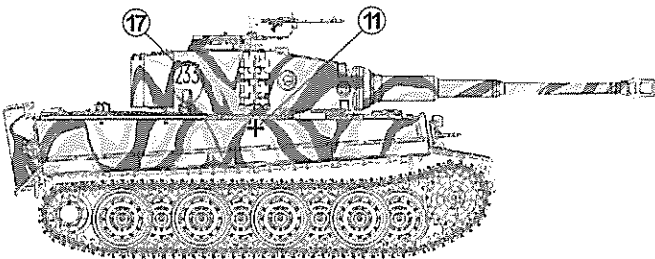
 Olive Green

**C**

Pz.-Abt. 501, Eastern Front, Dec 1944.  
 第510重戰車營, 1944年12月東線戰場



Body Color:  Red Brown  
 Dark Yellow  
 Olive Green

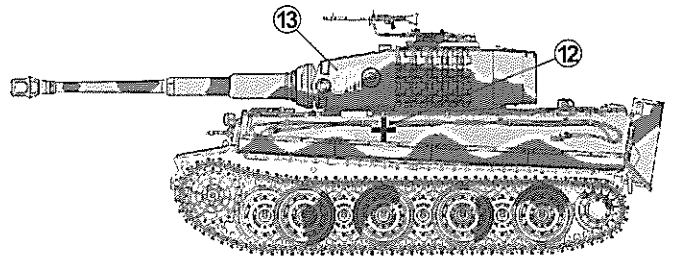
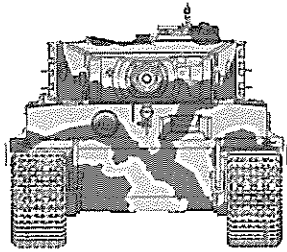
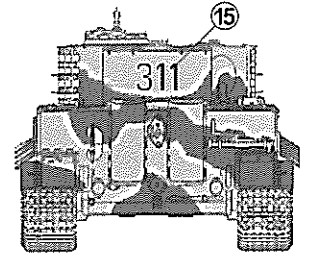
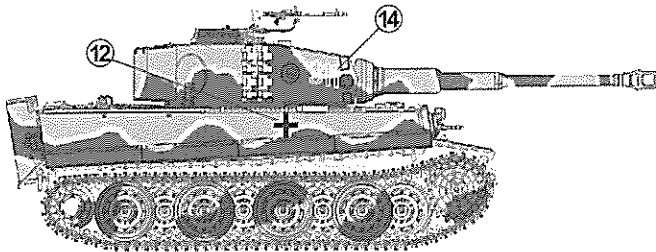




**D**

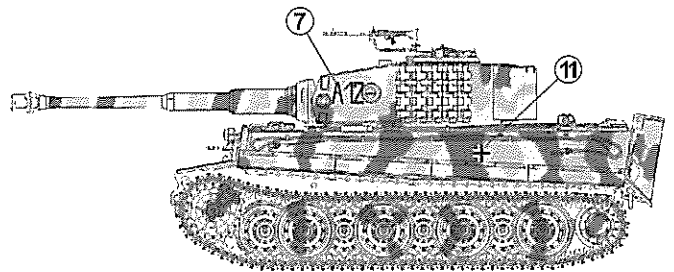
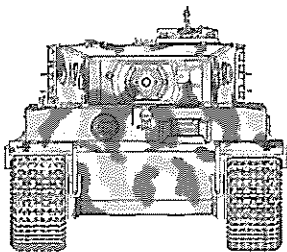
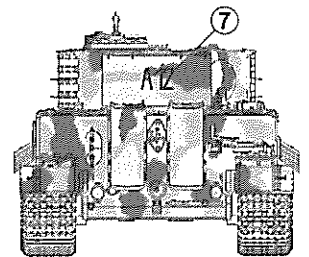
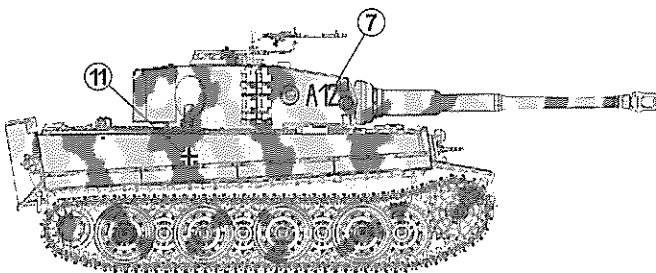
SS-Pz.-Abt. 102, Normandy, 1944.

黨衛軍第102重戰車營, 1944年諾曼第

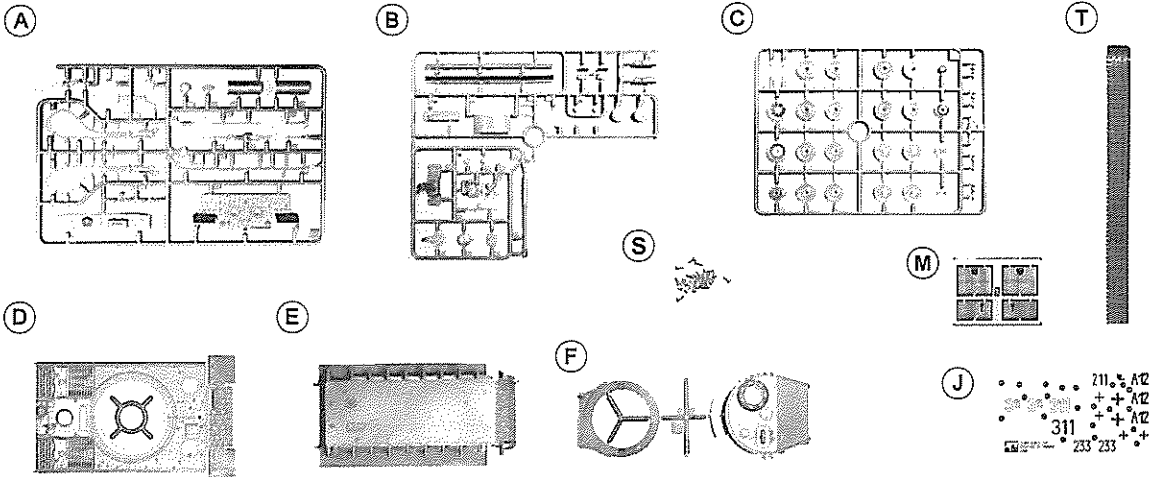
Body Color:  Red Brown Dark Yellow Olive Green**E**

Grossdeutschland Division, Eastern Front, Sept. 1944.

大德意志裝甲師, 1944年9月東線戰場

Body Color:  Red Brown Dark Yellow Olive Green

# PARTS LIST 零件表



Parts: A \_\_\_\_\_ 1    D \_\_\_\_\_ 1    M \_\_\_\_\_ 1    T \_\_\_\_\_ 2  
 B \_\_\_\_\_ 1    E \_\_\_\_\_ 1    J \_\_\_\_\_ 1  
 C \_\_\_\_\_ 2    F \_\_\_\_\_ 1    S \_\_\_\_\_ 20



## Instructions:

If for some reason, you are not fully satisfied or have questions concerning our product; Please use the form provide, and send it to our nearest representative or mail it directly to our office.

We will deal with that A.S.A.P.



### AF48001 Parts Replacement Form

- |                                  |                                  |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> A parts | <input type="checkbox"/> F parts |
| <input type="checkbox"/> B parts | <input type="checkbox"/> M parts |
| <input type="checkbox"/> C parts | <input type="checkbox"/> J parts |
| <input type="checkbox"/> D parts | <input type="checkbox"/> S parts |
| <input type="checkbox"/> E parts | <input type="checkbox"/> T parts |

Reason for replacement:  Missing  Broken

Signature: \_\_\_\_\_

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 總代理 戰鷹企業 客服部 收 本公司將盡速為您處理



AF48001

零件補充申請表

申請人  
 姓名 地址 電話  
 .. .. ..

- |                                 |          |
|---------------------------------|----------|
| <input type="checkbox"/> A 部品零件 | NT\$ 150 |
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| <input type="checkbox"/> S 部品零件 | NT\$ 120 |
| <input type="checkbox"/> T 部品零件 | NT\$ 160 |

+ 郵寄費 NT\$ 80

(請填) 總計 NT\$ \_\_\_\_\_

零件補充原因:(請於打)

- 原包裝即  遺失或  毀損  
 製作途中  遺失或  毀損  
 補充多餘零件  
 其他原因 \_\_\_\_\_