

M3

The United States Army's requirement to develop a mechanized infantry/cavalry vehicle with a "fight from within" concept, began in the early 1960s, which led to a short lived program known as the MICV-65 (Mechanized Infantry Combat Vehicle). (MICV). After other budget priorities had been satisfied, the U.S. Army again asked its defense community industries to bid on a new MICV and the FMC Corporation of San Jose, California won the bidding competition in November 1972. In 1972 the Army changed the direction of the program to an even more formidable Infantry Fighting Vehicle (IFV), that would have the capability of keeping pace with the new M1 Abrams main battle tank. Around this Combined Arms Team revised battle tactics have been established to oppose anticipated threats. In October 1981 the M2 and M3 vehicles were dubbed the Bradley Fighting Vehicles (after General Omar Bradley), and the vehicles are now in Europe and in Continental U.S. units. It was recognized by armor tacticians that a greater capability for mounted combat was needed for combined arms teams than presently available with the famous M113 Armoured Personnel Carrier (APC). Although an excellent vehicle, the APC was not designed to execute extensive mounted combat, nor could it match the performance of the new main battle tank. The M2/3 Bradleys have power train and suspension systems that provide mobility and agility comparable to the Abrams tank. The Bradley has protec-

tion from 14.5mm weapons mounted on many of the potential threat's infantry combat vehicles, allowing it freedom of movement when opposing the enemy. The primary weapon of the Bradley is a stabilized 25mm cannon mounted in a two man turret which can destroy unarmored ground targets out to 2,500 meters, and the fire control system allows accurate fire even when moving over rough terrain under day or night conditions. The M2/3 also incorporates a TOW antitank missile launcher, providing a capability to



1/35 MILITARY MINIATURE SERIES

BRADLEY CFV

destroy tanks out to a range of 3,700 meters. Vision blocks, and periscopes allow the crew and cavalry squads to continuously observe the surrounding environment. From the exterior, the M3 Bradley cavalry fighting vehicle (CFV) is identical to the M2 except for minor modifications for crew size and equipment. It is configured for a five man scout team and does not include firing port weapons, and is employed in security and reconnaissance operations.

美国本着快速隐蔽的作战思想,早在60年代初就开始研制新型战车,并大量装备部队,他们研制的MICV-65型坦克风靡一时,新预算通过后,美军又进一步要求国防部,为生产更先进坦克而在全国军工企业中招标,加尼福尼亚San Jose 所属 FMC 公司中标,1972 年军方改变设计方向,设计一种与 M1 主战坦克匹配的步兵战车,1981 年 M2/M

3 坦克正式命名为 (BRADLEY CFV), 现在 M2/M3 坦克活跃在欧洲和美洲。

战略家认为 M113(APC)型坦克已不能满足需要,虽然这是一种先进的坦克,但在操作时不够灵活,无法与 M-1 匹配, M2 / M3 则有完善火力系统和动力,能承受 14.5mm 口径炮弹打击,同时非常灵活,火力装置包括一门装在两人炮塔中 25mm 加农炮,射程 2500 米,它的控制系统无论在白天黑夜,还是道路崎岖不平的恶劣环境下都能保证射击精度,新增加的“陶”式反坦克导弹能摧毁 3700 米内的坦克,电子成像系统和潜望镜使坦克成员能连续观察外部情况, M2 与 M3 相比,除乘员数和武器装配外,其余基本相同,搭载五人,涂有迷彩和完善搜索系统。



00301



*Study the instructions 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.
 *Make sure to ventilate room, when you use cement and paints.

This mark denotes paint color, with color names and numbers for Tamiya Acrylic Paints and Tamiya Paint Markers. Page 8 has detailed painting instructions; however, some parts should be painted prior to model's completion, and these are called out during assembly.

装配之前,了解其结构,熟悉图片

工具: 锋利小刀、螺丝批、小平锉镊子、胶水各一副。

用胶量适中,粘住即可

着色和涂胶时,选择正确位置,

该符号表示着色,第8页已经标明各处颜色配备。

COLORS REQUIRED:
FOLGENDE FARBEN WERDEN BENÖTIGT:

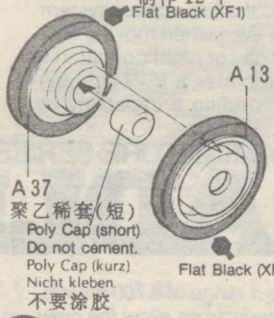
White	白色	X2
Royal Blue	皇冠蓝	X3
Orange	橙色	X6
Red	红色	X7
Gun Metal	金属蓝	X10
Semi Gloss Black	半亮色	X18
Clear Blue	亮蓝色	X23
Flat Black	沉黑	XF1
Flat White	乳白	XF2
Flat Brown	沉棕	XF10
Flat Flesh	肉色	XF15
Flat Aluminum	铝粉色	XF16
Khaki	土黄色	XF49
Metallic Grey	金属灰	XF56
Buff	米色	XF57
Olive Green	橄榄绿	XF58
Dark Green	墨绿	XF61
Olive Drab	草绿色	XF62
Red Brown	红棕色	XF64

CUTTING OFF PARTS
ABSCHNEIDEN EINZELNER TEILE
 Do not break parts away from sprue, but remove them carefully with a cutting tool.
 Bauteile nicht vom Spritzling abbrechen, sondern vorsichtig abschneiden oder abzwicken.

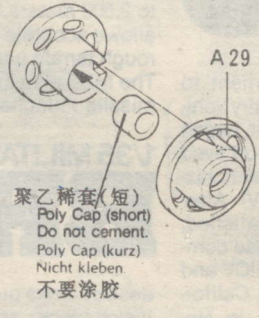


1 Wheels 车轮
 Räder

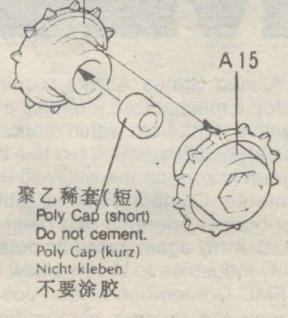
◀Road Wheel▶
 ▶Laufrad▶ 车轮
 Make 12 sets.
 12 Satz machen 制作12个
 Flat Black (XF1)



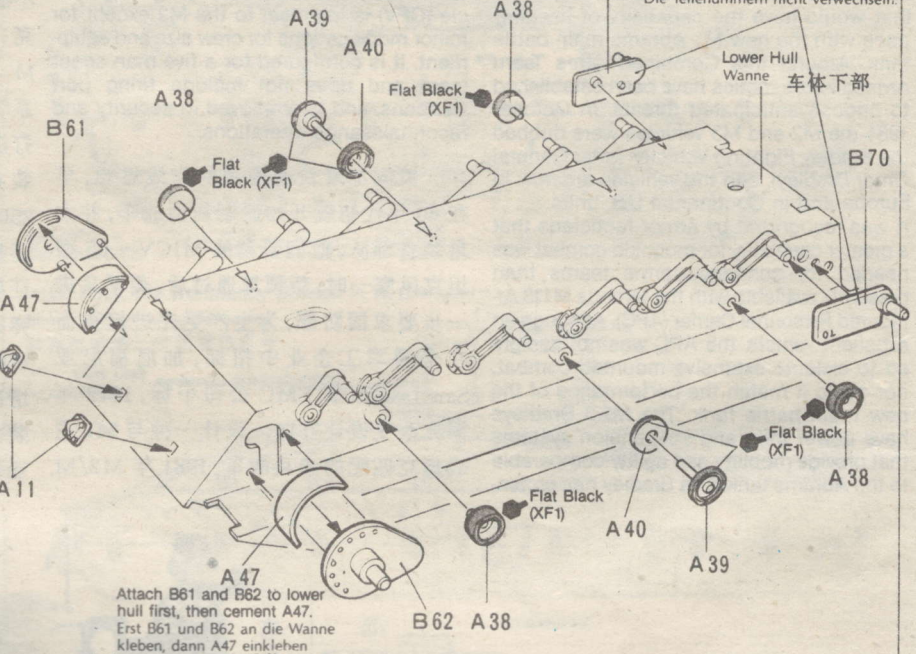
◀Idler Wheel▶ 张紧轮
 ▶Spannrad▶
 Make 2 sets.
 2 Satz machen 制作2个
 A 28



◀Drive Sprocket▶ 驱动轮
 ▶Kettentriebrad▶
 Make 2 sets.
 2 Satz machen 制作2个
 A 14

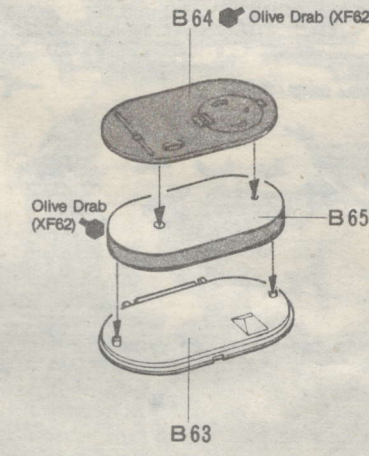


2 Lower Hull 车体下部
 Wanne

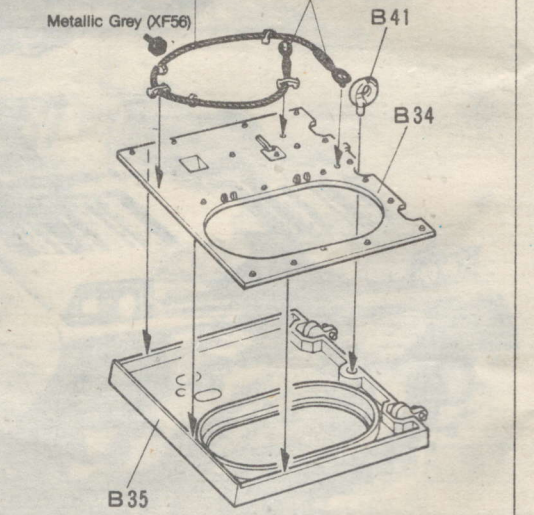


3 Assembly of Rear Loading Ramp
 Zusammenbau der Heckklappe
 装配尾部踏板

◀Rear Door▶ 后舱门
 ▶Einstiegs Luke▶

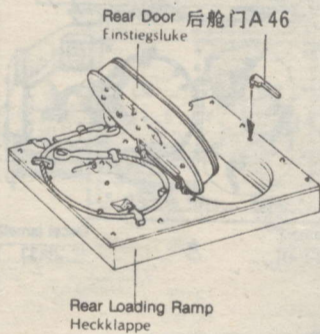


◀Rear Loading Ramp▶ 尾踏板
 ▶Heckklappe▶

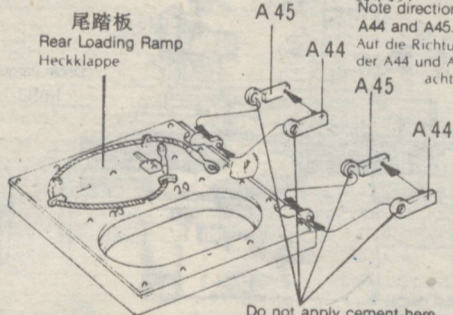


4 <Rear Door>
<Einstiegs Luke> 后舱门

<Open> 开启状态
<Offen>

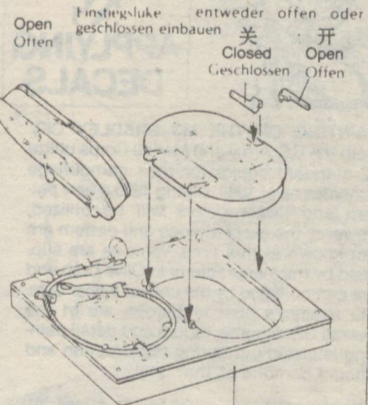


4 Attaching Rear Door 安装尾踏板
Zusammenbau der Heckklappe



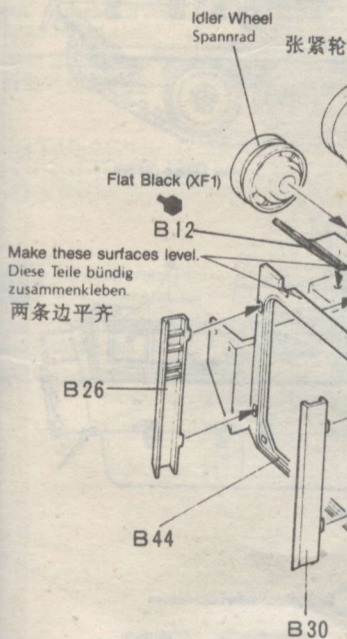
注意 A44 A45 方向开
Note direction of A44 and A45.
Auf die Richtung der A44 und A45 achten
Do not apply cement here. Diese Teile müssen beweglich bleiben, vorsicht mit Klebstoff
此处无需涂胶

Rear Door: Choose either open or closed position.



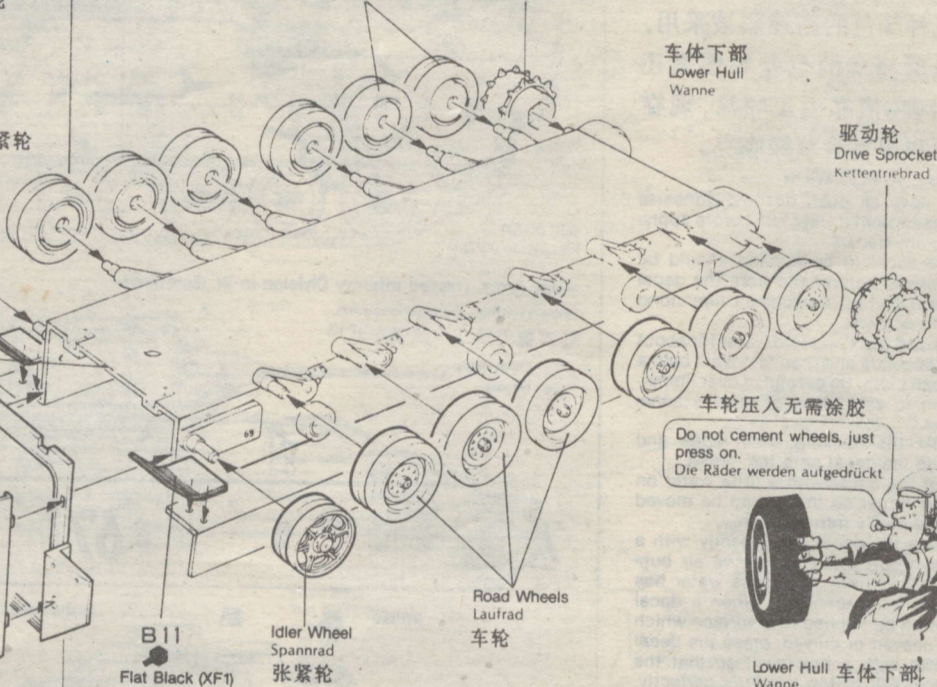
Rear Loading Ramp Heckklappe 尾踏板

5 <Attaching Wheels>
<Einbau der Räder> 组装车轮



5 Attaching Wheels
Einbau der Räder 组装车轮

车轮 Road Wheels Laufrad
驱动轮 Drive Sprocket Kettentrieb



车体下部 Lower Hull Wanne

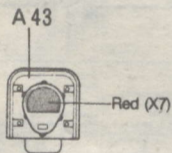
驱动轮 Drive Sprocket Kettentrieb

Do not cement wheels, just press on.
Die Räder werden aufgedrückt
车轮压入无需涂胶



Lower Hull 车体下部 Wanne

6 <Painting of Stoplight>
<Bemalung des Rücklichts> 刹车灯着色

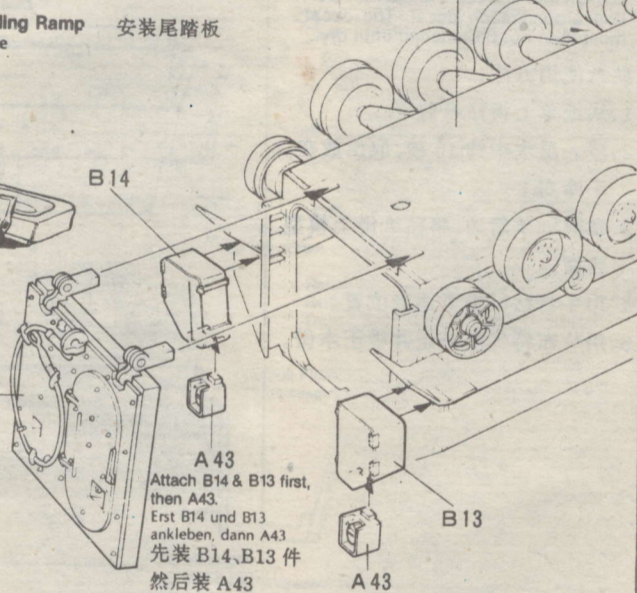


6 Attaching Rear Loading Ramp 安装尾踏板
Einbau der Heckklappe



Do not move rear loading ramp until cement has set.
Heckklappe nicht bewegen, solange Klebstoff nicht trocken.
胶干之前请勿移动 Rear Loading Ramp Heckklappe 尾踏板

胶干之前请勿移动 Rear Loading Ramp Heckklappe 尾踏板

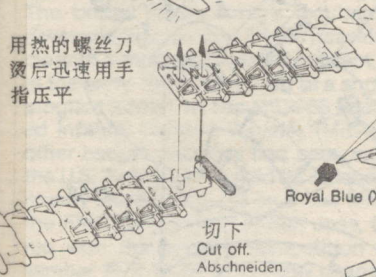


A 43 Attach B14 & B13 first, then A43.
Erst B14 und B13 ankleben, dann A43
先装 B14、B13 件 然后装 A43

10 <Track Construction> 装配履带
<Kettenmontage>

Melt pin heads carefully with a heated screwdriver etc. Immediately press pin heads with your finger.
Zapfenkopf mit heissen Schraubenzieher verschmelzen. Sofort Zapfen gerade pressen.

用热的螺丝刀烫后迅速用手指压平

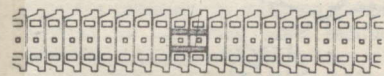


切下
Cut off.
Abschneiden.

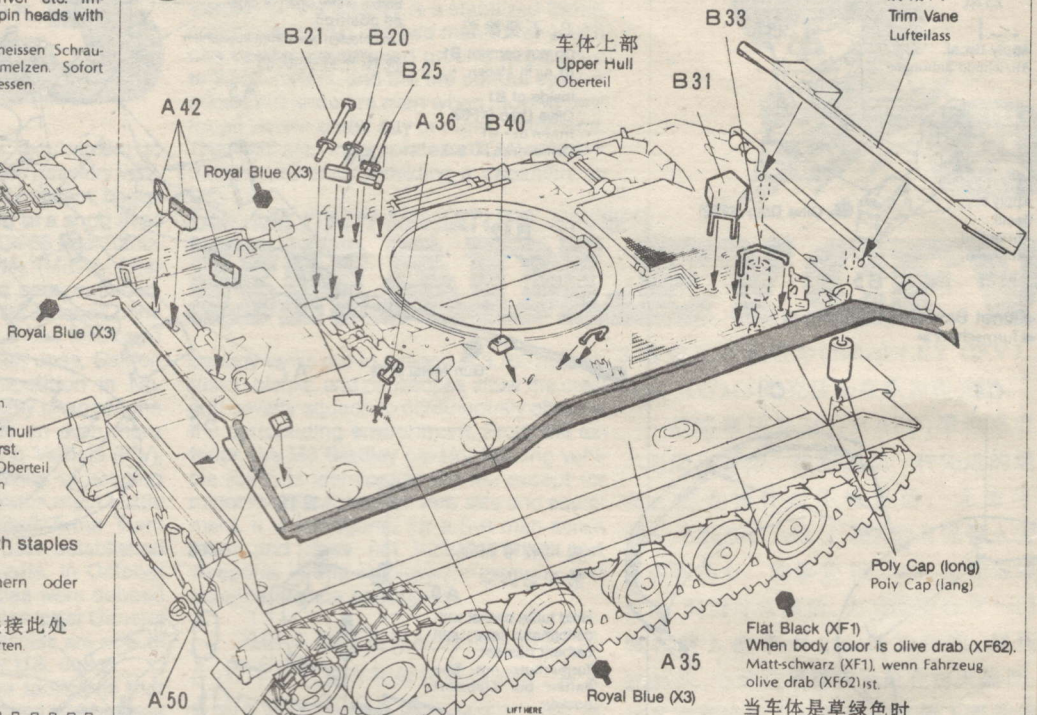
先将上部插入此挂钩
Fit upper hull to rear first.
Wannen-Oberteil erst hinten einpassen.

If track is broken, strengthen with staples or thread.
Bei Kettenbruch mit Heftklammern oder Draht flicken.

如果履带断裂，用细黑丝线联接
用细黑丝线联接
Staple here. 联接此处
Hier mit Draht hetten



10 Attaching Upper Hull
Einbau des Oberteiles 车体上部装配



前栅网
Trim Vane
Luftelass

车体上部
Upper Hull
Oberteil

Poly Cap (long)
Poly Cap (lang)

Flat Black (XF1)
When body color is olive drab (XF62).
Matt-schwarz (XF1), wenn Fahrzeug olive drab (XF62) ist.

当车体是草绿色时
此边涂黑色

LEFT HERE
Apply decal.
Abziehbild anbringen.

贴纸位置

Track: Be careful of direction.
Ketten: Auf Richtung achten.

注意皮带方向

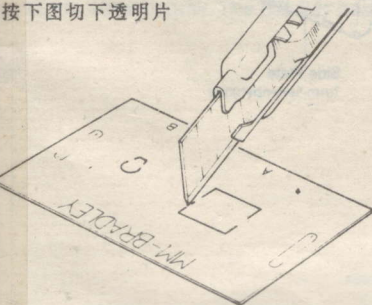
Lower Hull
Wanne
车体下部

C6 件用胶带固定，
胶干后拆除
Fix C6 with cellophane tape
until cement has set.
Turm-Unterteil mit Tesa
halten, bis Klebstoff trocken
ist.

11 <Transparent Part> 透明部份
<Transparentes Teil>

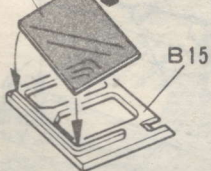
Cut out transparent part as shown.
Transparentes Teil wie gezeigt ausschneiden.

按下图切下透明片



<Range Finder> 测光测距仪
<Entfernungsmesser>

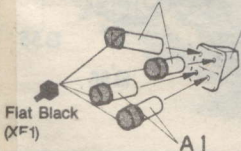
Transparent Part A
Transparentes Teil A
Clear Blue (X23)



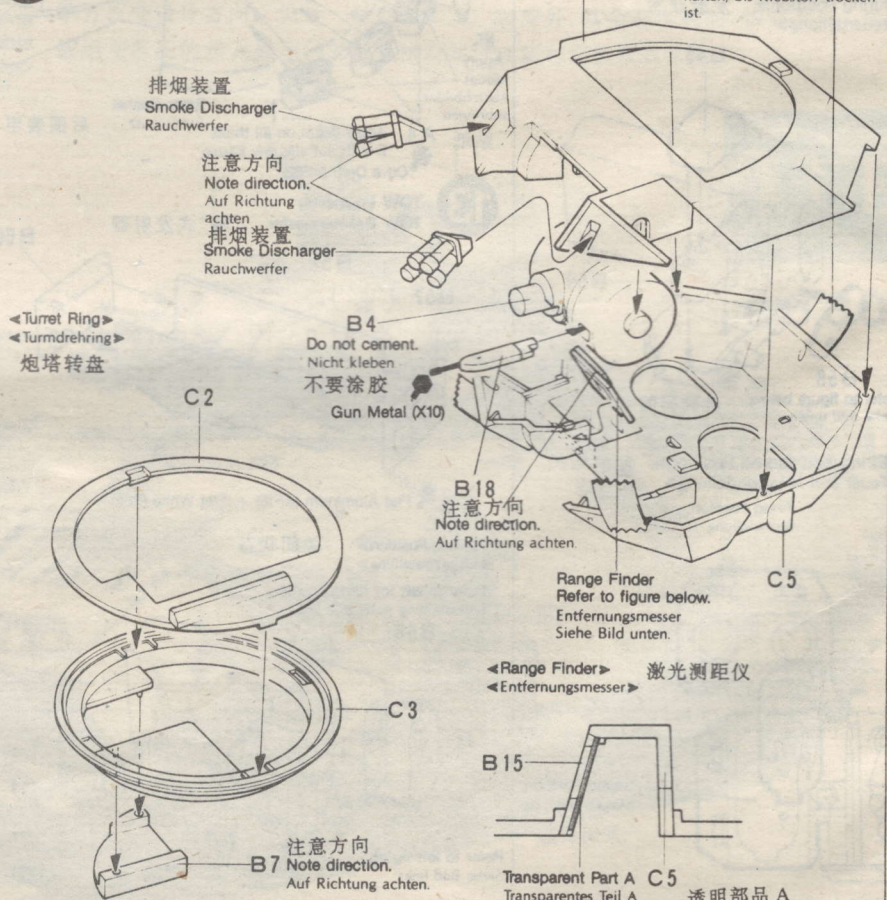
<Smoke Discharger> 排烟装置
<Rauchwerfer>

Make 2 sets.
2 Satz machen.

制作 2 个
A1 A10



11 Turret Construction
Turmaufbau 转色炮塔



排烟装置
Smoke Discharger
Rauchwerfer

注意方向
Note direction.
Auf Richtung
achten
排烟装置
Smoke Discharger
Rauchwerfer

<Turret Ring>
<Turmdrehring>
炮塔转盘

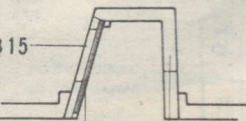
Do not cement.
Nicht kleben
不要涂胶
Gun Metal (X10)

B 18
注意方向
Note direction.
Auf Richtung
achten

Range Finder
Refer to figure below.
Entfernungsmesser
Siehe Bild unten.

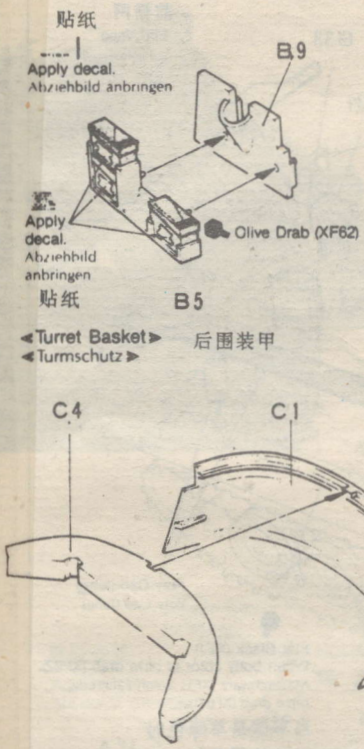
<Range Finder> 激光测距仪
<Entfernungsmesser>

注意方向
Note direction.
Auf Richtung
achten.



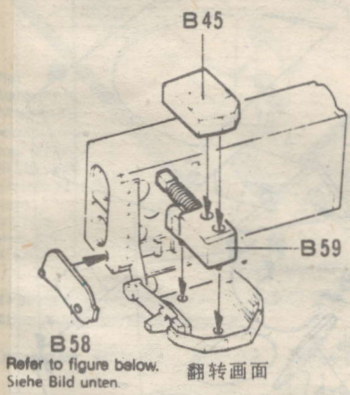
Transparent Part A C5
Transparentes Teil A 透明部品 A

12 <Side Plate>
<Turm-Seitenbehälter>

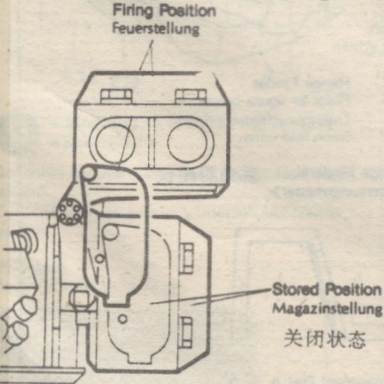


13 <TOW Launcher> “陶”式发射器
<TOW Raketenwerfer>

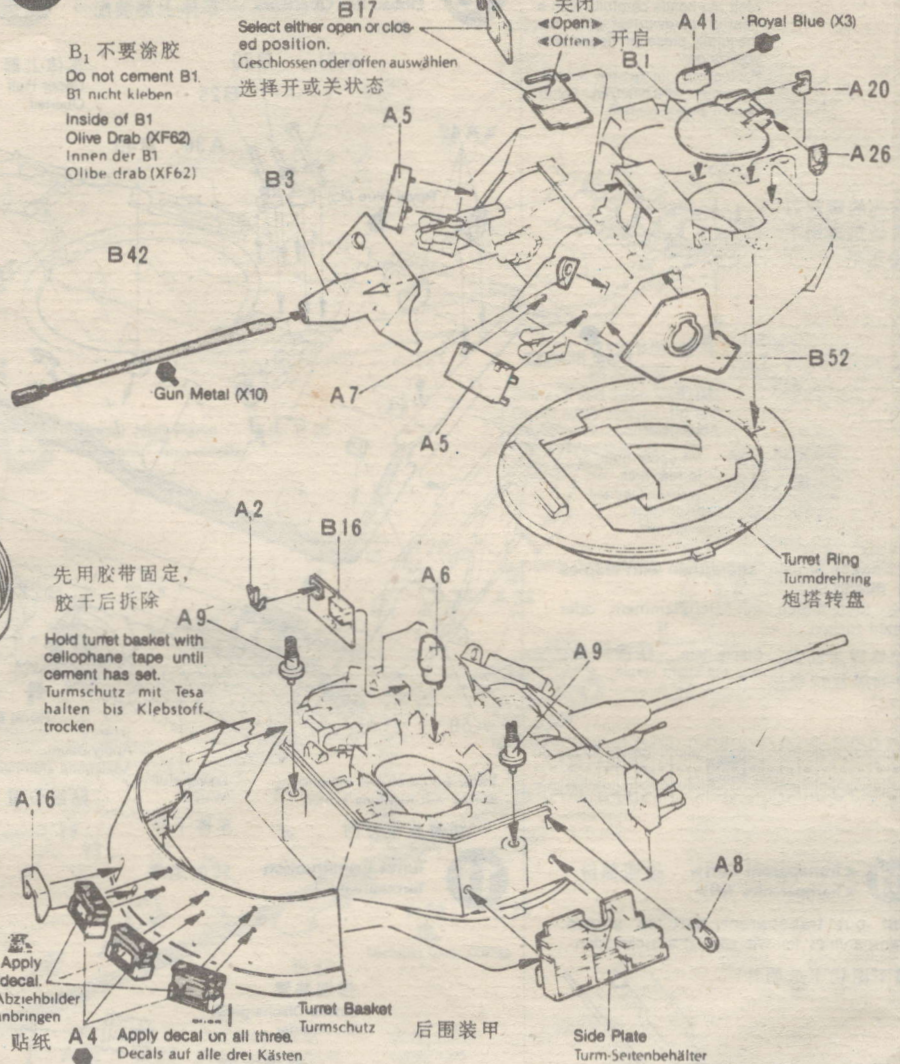
<Firing Position> 发射状态
<Feuerstellung>



<Firing and Stored Position> 发射与关闭状态
<Feuer und Magazinstellung>



12 Attaching Turret Parts 安装后围装甲
Anbau der Turnteile

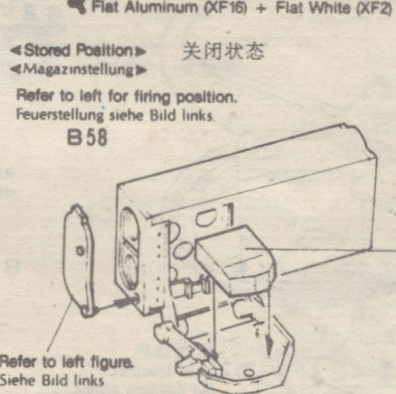


13 TOW Launcher
TOW Raketenwerfer “陶”式发射器

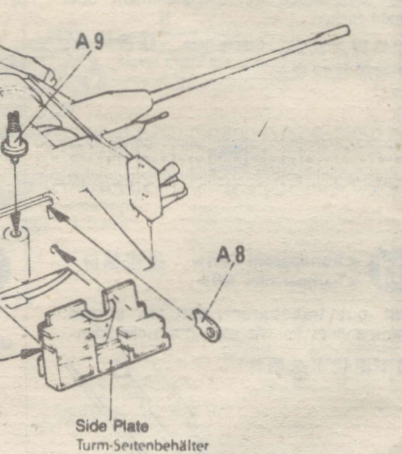
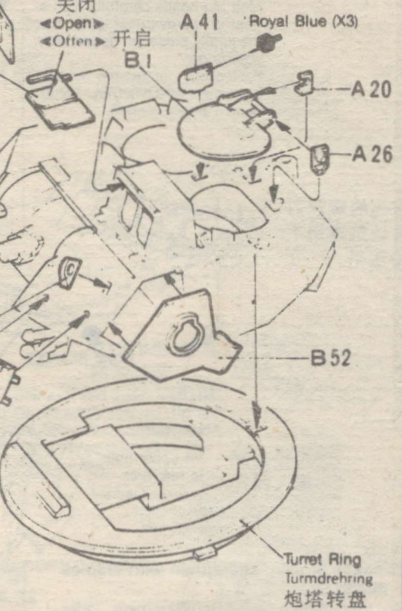
<Stored Position> 关闭状态
<Magazinstellung>



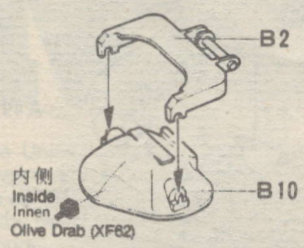
Refer to left for firing position.
Feuerstellung siehe Bild links.



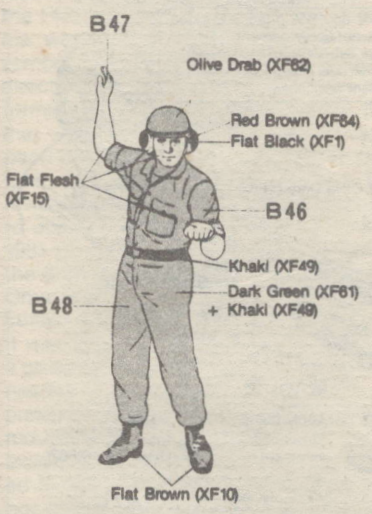
<Closed> 关闭
<Geschlossen> Hier abschneiden, wenn geschlossen.
<Open> 开启
<Offen>



14 <Commander's Hatch>
<Kommandantenluke>
炮塔舱盖



15 <Commander>
<Kommandant>



<How to make antenna> 如何制作天线
<Antennenbau>



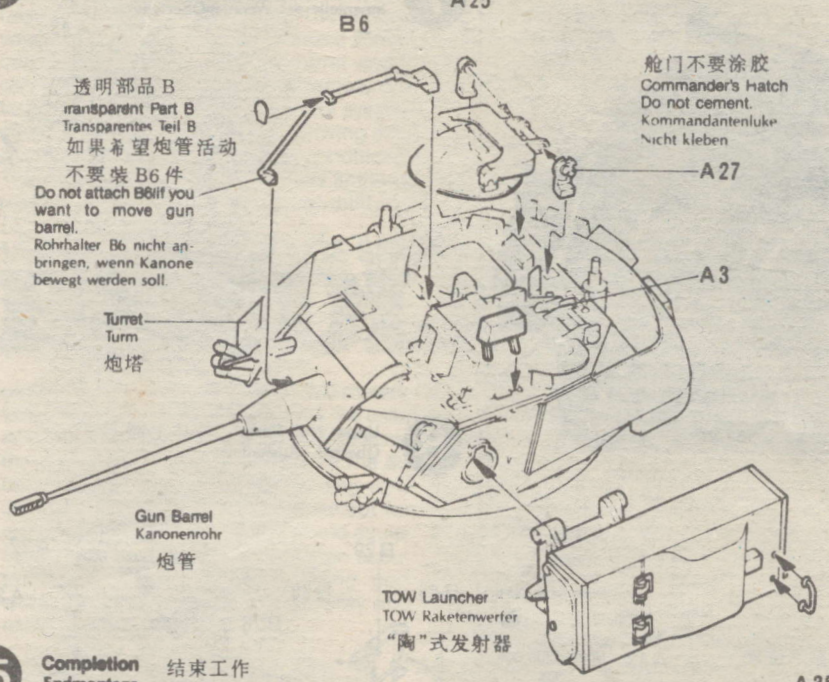
Heat a length of sprue. When melted a little, stop heating and stretch it. Allow about 5 seconds to cool and cut to 7cm.
Ein Stück vom Spritzling erhitzen, wenn es etwas schmilzt, nicht mehr erhitzen und auseinander ziehen. 5 Sekunden abkühlen lassen und 7cm lang schneiden.

用烛火烘烤注塑框架, 软后拉成适当粗细, 冷却5秒后截取7cm一段不用部品。

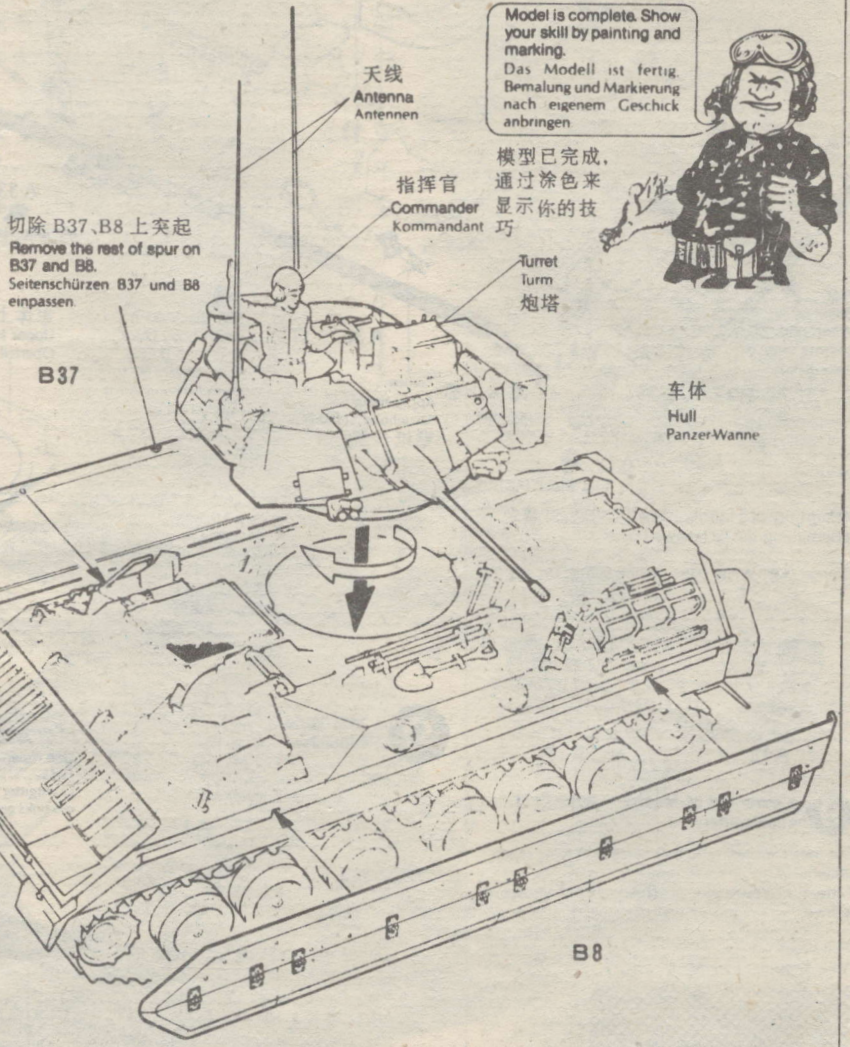
<Unused Parts>
<Nicht benötigte Teile>
A2, A3, A4, A6, A7, A8, A12, A16, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A30, A31, A32, A34, A41, A42, A46, A50 (each 1 pc) B67, B68



14 Attaching TOW Launcher 安装“陶”式发射器
Einbau des TOW Raketenwerfers A 25



15 Completion 结束工作
Endmontage



Model is complete. Show your skill by painting and marking.
Das Modell ist fertig. Bemalung und Markierung nach eigenem Geschick anbringen.

模型已完成, 通过涂色来显示你的技巧





PAINTING APPLYING DECALS

PAINTING OF THE M3 BRADLEY CFV
Both the U.S. Army and Marine Corps utilize 12 standard colors for their camouflage schemes as of 1984. During 1985 a new pattern and lesser colors will be utilized; however, the exact shades and pattern are not known at this time. Vehicles are supplied by the manufacturer in Olive Drab and are camouflaged by the user at a later date. M3 Bradley's now in Europe are in the overall OD scheme. Figure and detail painting is called out during construction and should be done at that time.

截止 1984 年, 美陆军和海军陆战队一直采用包括 12 种标准色的迷彩, 1985 年一种包括三种颜色的新迷彩被采用, 但当时精确的色差和图案还不明确, 依靠手工喷涂, 现在在欧洲和坦克涂草绿底克。

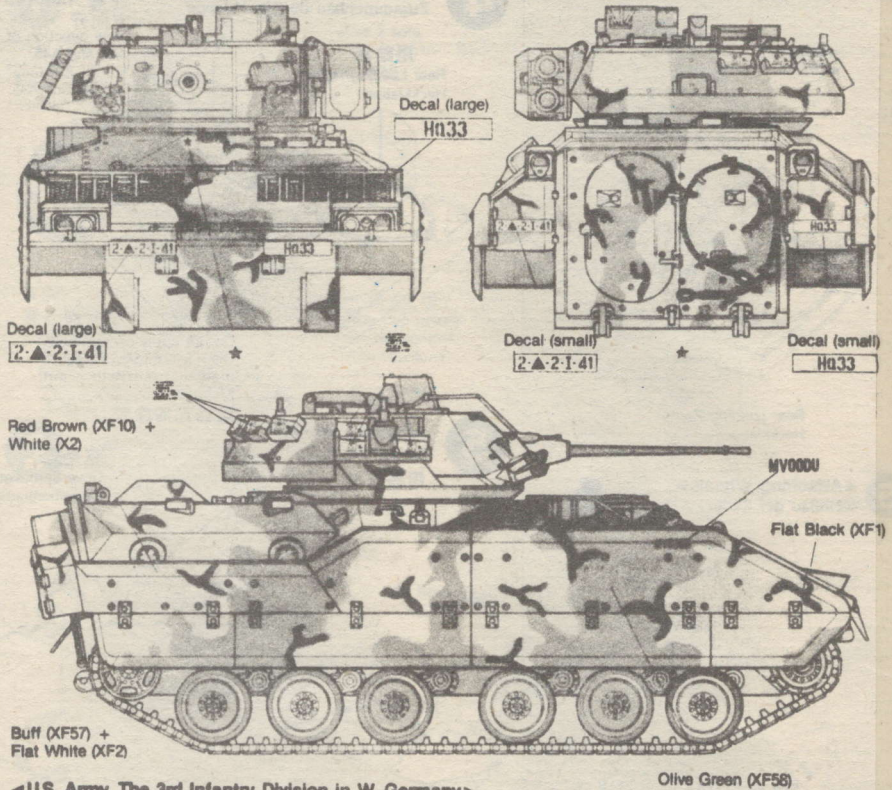
DECAL APPLICATION

- (1) Remove all dust, dirt and adhesive smears with a wet cloth before applying any decals.
- (2) The decal to be applied should be removed beforehand from the decal sheet. Cut off translucent film along colored parts.
- (3) Dip the decal in tepid water for about 10 seconds and then remove it onto a clean cloth. Be careful of over immersion to avoid loss of decal's adhesive.
- (4) Hold the backing sheet edge and slide the decal onto the model.
- (5) Wet the decal with a little water on your finger so that it can be moved more easily into position.
- (6) Press the decal down gently with a clean soft cloth to remove air bubbles and until all excess water has been fully absorbed. When a decal has to be applied to a surface which is uneven or curved, press the decal down with a hot towel so that the decal will fit the contours perfectly. Cut off the excess transparent portion around each decal. The decal must then not be touched until dry.

贴纸使用方法:

- 1、从纸单上将贴纸剪下。
- 2、浸入温水中约 15 秒, 取出放在干净布上。
- 3、拿起纸单后边, 将贴纸滑上模型表面。
- 4、用手将贴纸推至适当位置。
- 5、用软布将气泡挤走并吸于水份。

<The 2nd Armor Division in US> 美国第二装甲师着色式样



<U.S. Army, The 3rd Infantry Division in W. Germany>

Shown marked during maneuvers.
驻西德美第三步团着色式样

