

# A I F V

Armored Infantry Fighting Vehicle

Starting in 1965, the US Army commenced a series of trials for prototypes of various Infantry Fighting Vehicle (IFV), after realizing the difficulty of the existing Armored Personnel Carriers (APCs) for the carried infantrymen to aim and fire their individual weapons from the vehicles. By 1967, FMC completed two XM765 prototypes for trials.

However, due to the limited access for outward viewing of its single-personnel turret, as well as its insufficient mobile capability when accompanying tanks, the design was rejected by the US Army.

Without funding, FMC had to carry on the development of this vehicle as a private venture. By 1970, a prototype of AIFV, which was converted from the M113A1, was completed.

Similar to the original M113, the chassis of AIFV was also made from welded aluminum. Following the practice of M113A2, however, the fuel tanks of AIFV were relocated to the external rare in order to reduce damage caused by mines. For better protection, FMC-patented applique armor was added to the front as well as both sides, which not only provide better protection for the vehicle, but also improved its floating capability. On the roof a single-personnel turret is located in the middle-upper right, mounting a 25mm cannon and a co-axial 7.62mm machine gun, and a personnel exit hatch was retained on the upper left. There are two firing ports on each of the sloped sides of the personnel cabin for the carried personnel to fire their individual weapons without the need to leave the vehicle. In addition to the standard vehicle, there are also other variants including TOW missile launcher, armored ambulance, and armored recovery vehicle.

The Dutch Army placed an order of 880 AIFVs in 1973 to replace their aging APCs. These vehicles entered Dutch service in 1977 and were re-named the YPR765. The AIFV also serves with the armor units of Belgium, the Philippines, Egypt and Turkey.

1965年、現行の装甲兵員輸送車(APC)の能力に限界を感じたアメリカ陸軍は、歩兵が車内から射撃することが可能な 歩兵戦闘車(IFV)の試作と試験を開始します。1967年までに、FMC社は、2輦の試作型XM765を完成させましたが、戦車に随伴したときの走破能力の不足と、搭載した1人用砲塔の視界の悪さのためそのデザインはアメリカ陸軍には受け入れられませんでした。しかし、FMC社は独自に車輛の開発を継続し、M113A1を改造した装甲歩兵戦闘車の試作車を1970年までに完成させました。

この車輛は、オリジナルのM113と同様に、車体はアルミニウムの溶接で造られ、燃料タンクはM113A2の実績を踏襲して、地雷などから受けるダメージを避けるために外部に設置されています。防御性を高めるためFMC社が特許を持つ増加装甲が、前面と側面に装着されました。この増加装甲は防御のためばかりでなく車体に浮航性を持たせることにも寄与しています。車体上面の中央右寄りには、25mm機関砲と7.62mm機銃を装備した砲塔が設置され、上面左側には、脱出ハッチが設けられています。兵員室の側面には左右それぞれ2個の銃口が設けられ、乗車した歩兵が車外に出なくても個人装備の火器を射撃することを可能にしています。また、スタンダードなタイプに加え、TOWミサイルのランチャーを装備したタイプや装甲救急車、装甲回収車等のバリエーションが存在します。

オランダ陸軍は、老朽化した自軍の装甲兵員輸送車の代わりとして、1973年に880輦の装甲歩兵戦闘車を発注します。これらの車輛は、1977年に配備され、YPR765の名称が与えられました。また、この装甲歩兵戦闘車は、ベルギー、フィリピン、エジプト、トルコの装甲部隊にも供給されています。



美國陸軍鑑於過去的裝甲兵員輸送車(APC),之車內兵員對外射擊的能力不足,因此於1965年開始計畫開發一系列強化射擊能力的步兵戰鬥車(IFV),1967年由FMC公司設計的XM765完成了兩輛的試作車,並開始展開試驗。但最後卻因XM765的單人砲塔視界不良,同時在伴隨戰車行動上的機動力不足的原因而使得XM765並未得到軍方的採用。

在得不到軍方的奧援下,FMC公司便負擔起了獨自開發的工作,1970年由M113A1所改造而成被命名為AIFV的試作車完成。

AIFV與M113相同的部分在於皆為鋁合金焊接車體,油箱與M113A2一樣都已經更改至車體後方的外側,用以減少誤觸地雷而造成的傷害,並於車體側面及正面加裝了FMC專利的附加裝甲,除了增加強度外更增加了車輛的涉水浮航能力,車體中央右上方為一個單人砲塔,擁有一門25mm機砲及一挺7.62mm同軸機槍。左上方則仍然保留了人員出入口,兵員室的兩側改為傾斜設計,並加設4個射擊用的槍孔,提供了車內兵員對外射擊的環境。除了基本的人員搭載型外,AIFV另外還有TOW式飛彈搭載反裝甲型、人員救護型、裝甲回收型等。

荷蘭陸軍在其原有的步兵戰鬥車逐漸老舊而極需汰換的情形下,AIFV於是在1973年接受荷蘭陸軍的試驗後隨即決定採用,共訂購了880輛,1977年進入荷蘭陸軍服役,而荷蘭又將其陸軍使用的AIFV更名為YPR765,在荷蘭陸軍採用後,其他各國便紛紛展開本國的測試,最後共有比利時、菲律賓、埃及、土耳其等國採用。

### 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.

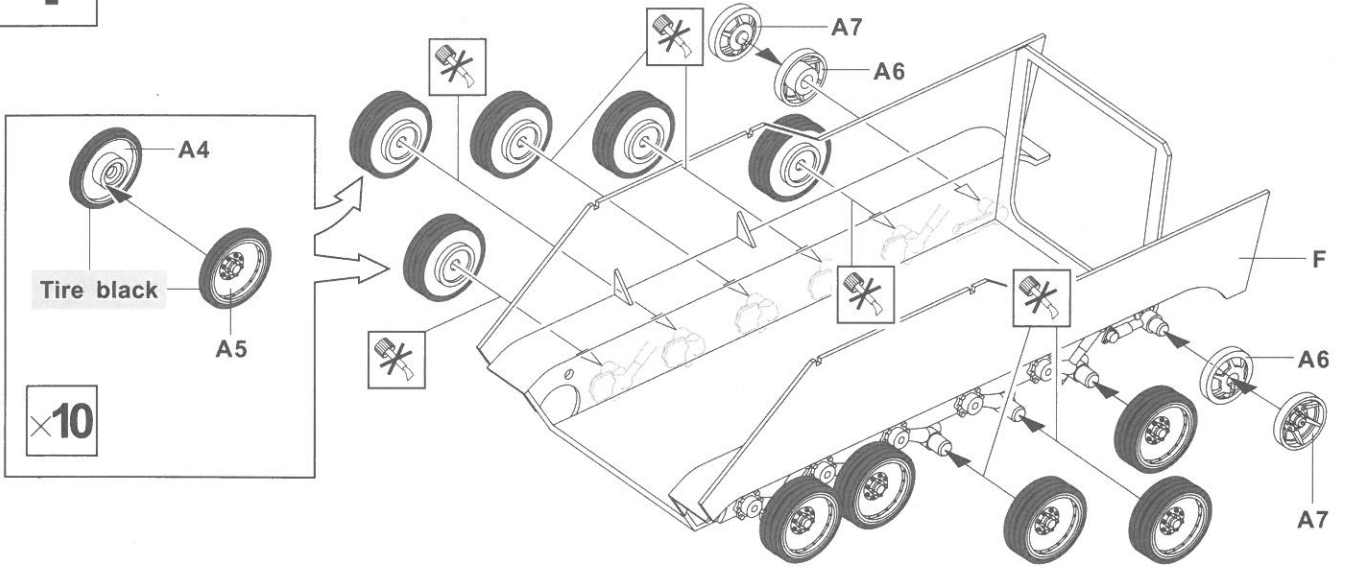
### 水貼紙使用說明:

- 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

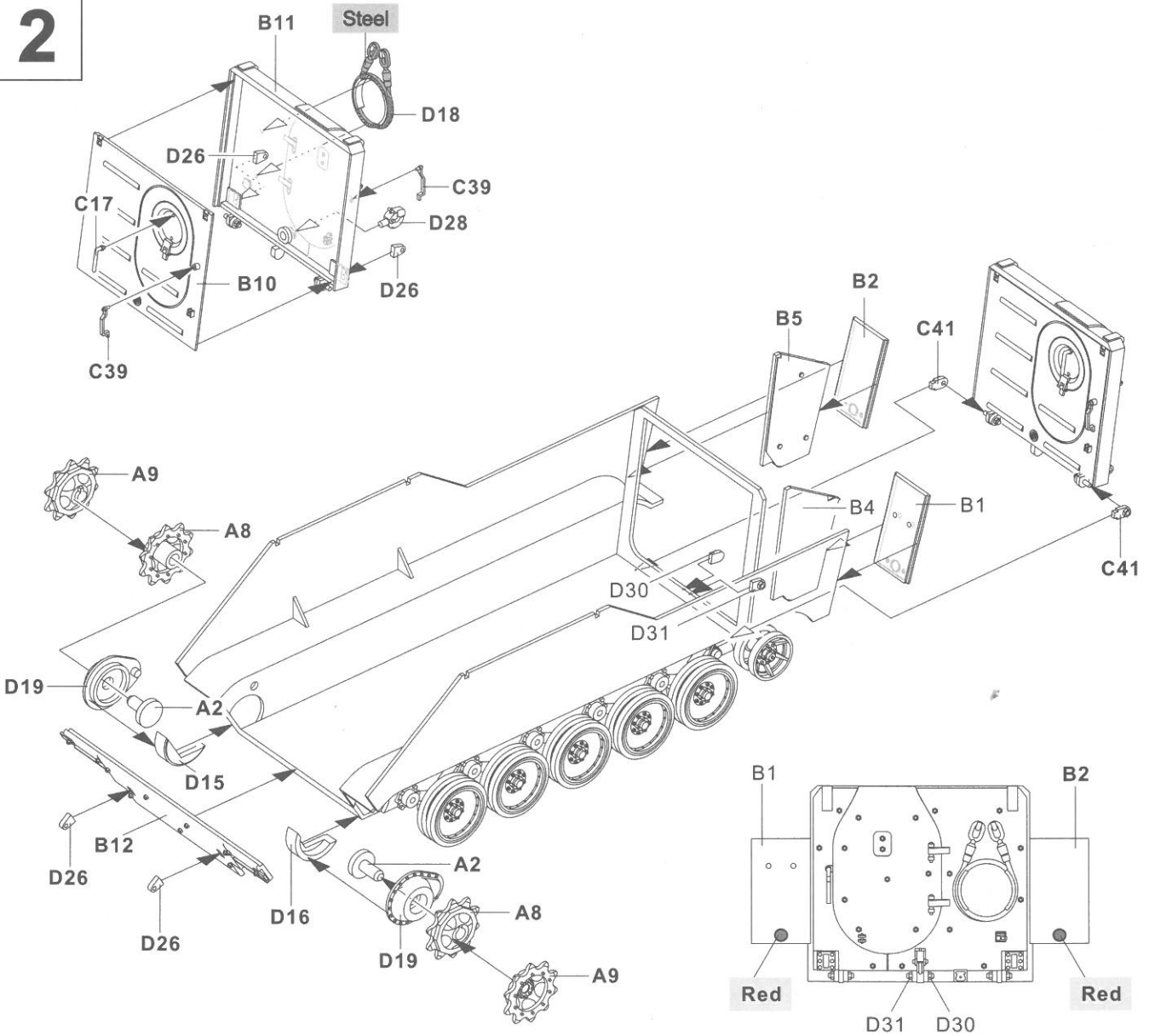
### Color list: 塗料表

| Color             | Brand | GSI Creos (Gunze Sangyo) |           |                 | Humbrol | Revell | Life Color |
|-------------------|-------|--------------------------|-----------|-----------------|---------|--------|------------|
|                   |       | Hobby Color              | Mr. Color | Mr. Color Spray |         |        |            |
| Olive drab(2) 橄欖綠 |       | H-78                     | C-38      | J-38            | 66      | 46     | UA106      |
| Olive drab(1) 橄欖綠 |       | H-52                     | C-12      |                 | 155     |        | UA003      |
| Khaki 卡其          |       | H-81                     | C-55      |                 | 26      | 86     |            |
| Black 黑           |       | H-2                      | C-2       | J-2             | 21      | 7      | LC72       |
| Steel 黑鐵          |       | H-18                     | C-28      | J-28            | 53      | 91     | LC76       |
| Tire black 輪胎黑    |       | H-77                     | C-137     |                 | 85      | 302    |            |
| Silver 銀          |       | H-8                      | C-8       | J-8             | 11      | 90     | LC74       |
| Red brown 紅褐      |       | H-47                     | C-41      | J-41            | 160     | 383    |            |
| Red 紅             |       | H-3                      | C-3       | J-3             | 19      | 31     | LC56       |
| Orange 橘          |       | H-14                     | C-59      |                 | 18      | 30     | LC55       |
| Flat black 消光黑    |       | H-12                     | C-33      | J-33            | 33      | 8      | LC02       |
| Flat red 消光紅      |       | H-13                     |           |                 | 73      |        | LC06       |
| Flat white 消光白    |       | H-11                     | C-62      | J-62            | 34      | 05     | LC01       |

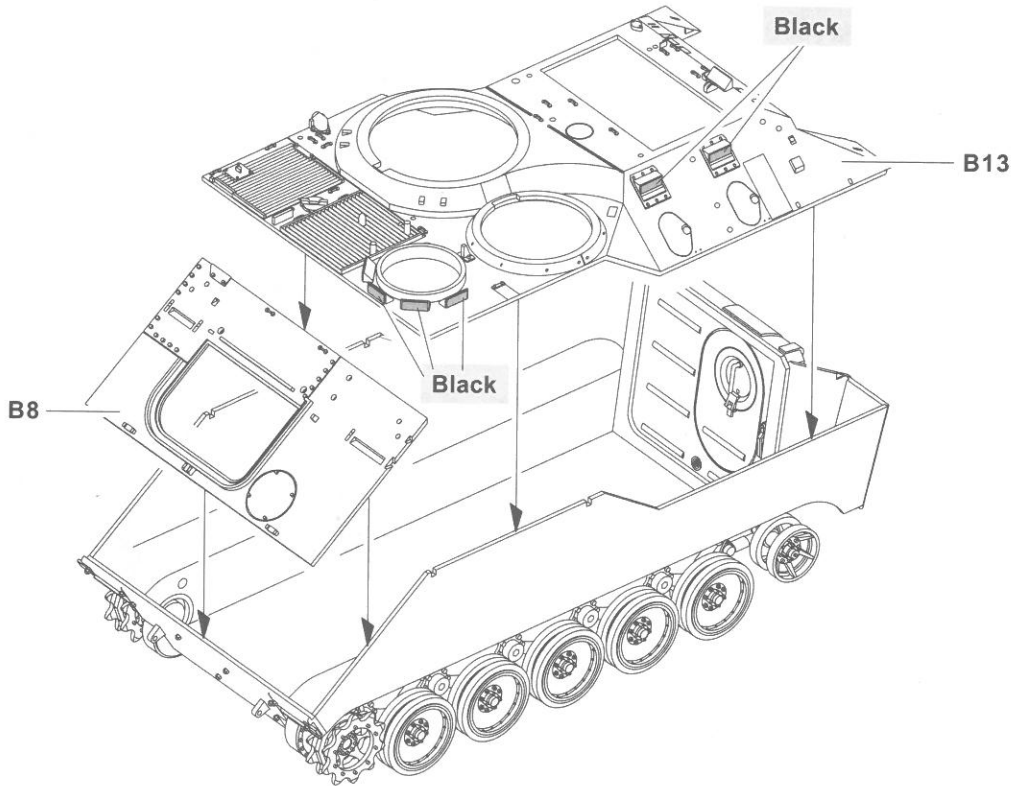
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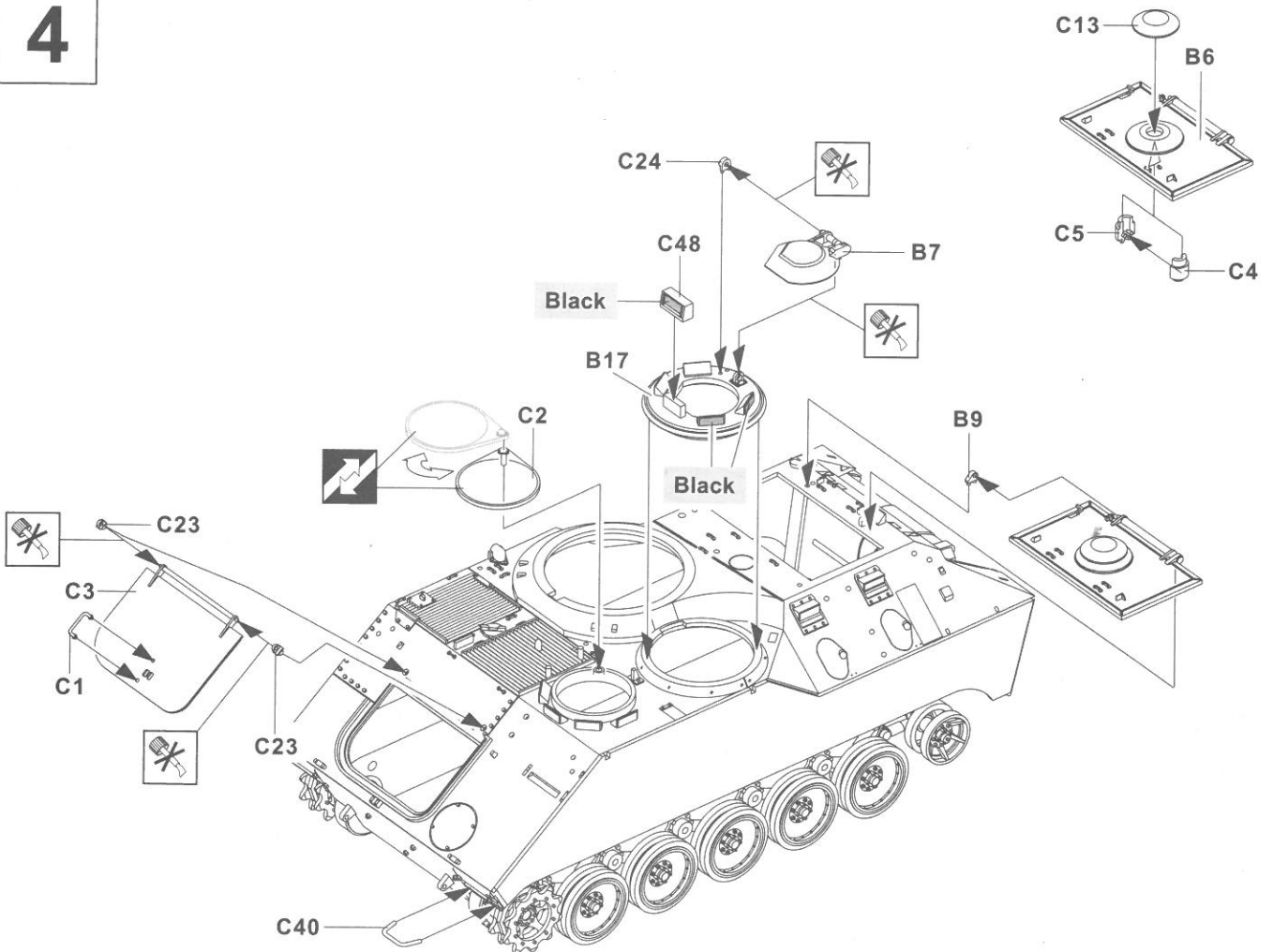
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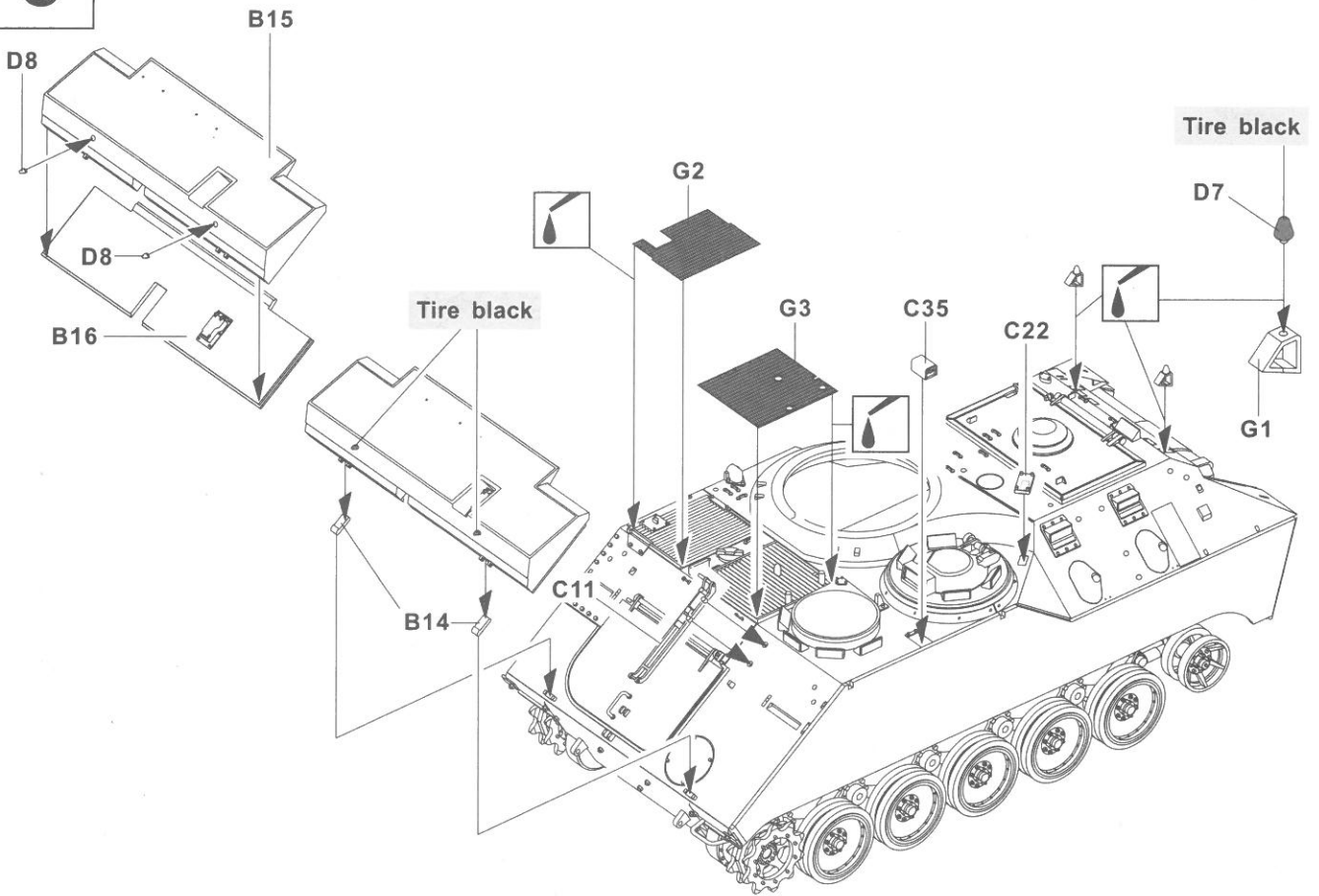
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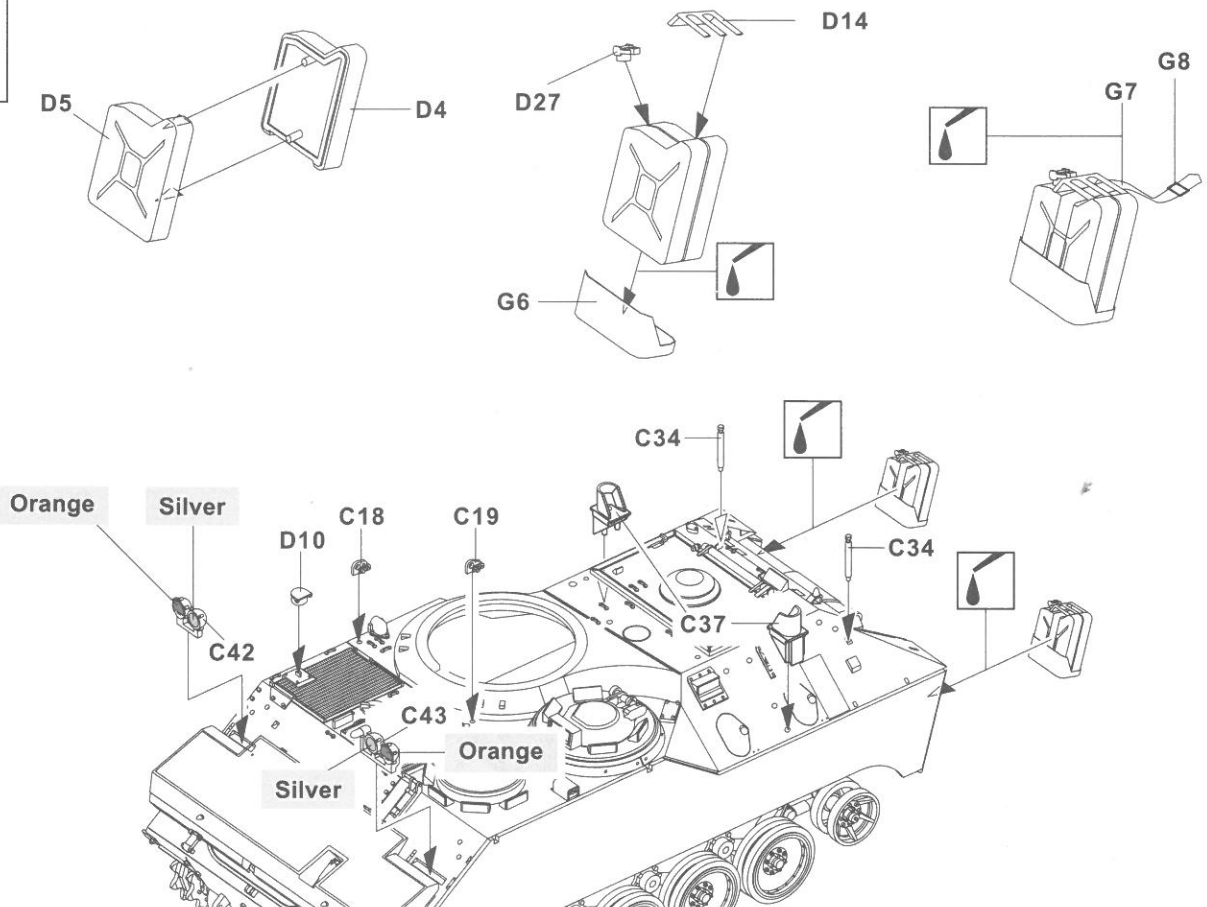
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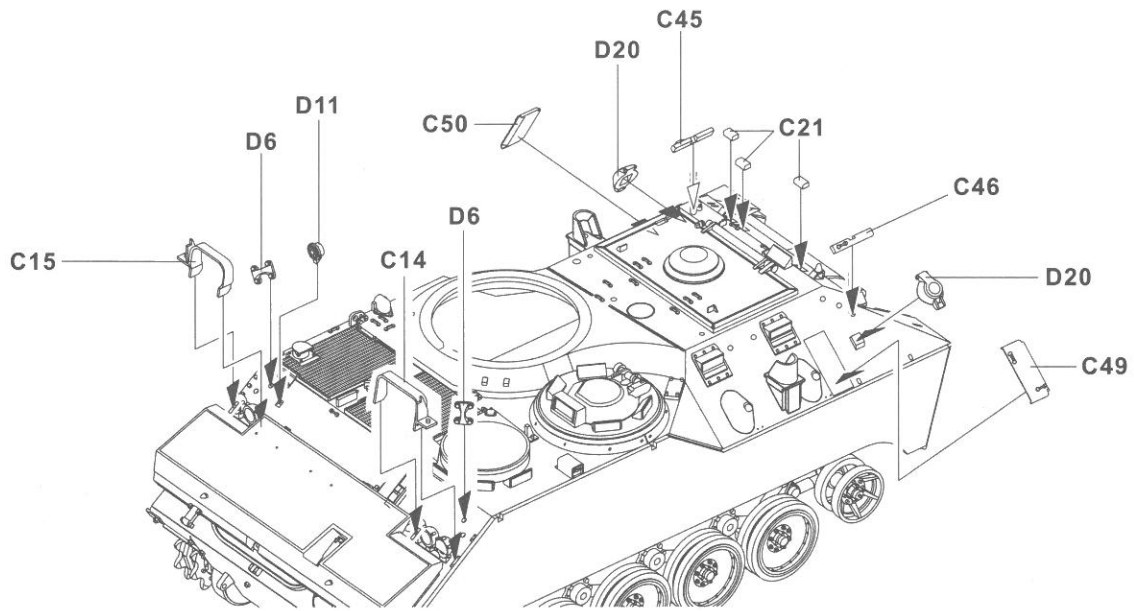


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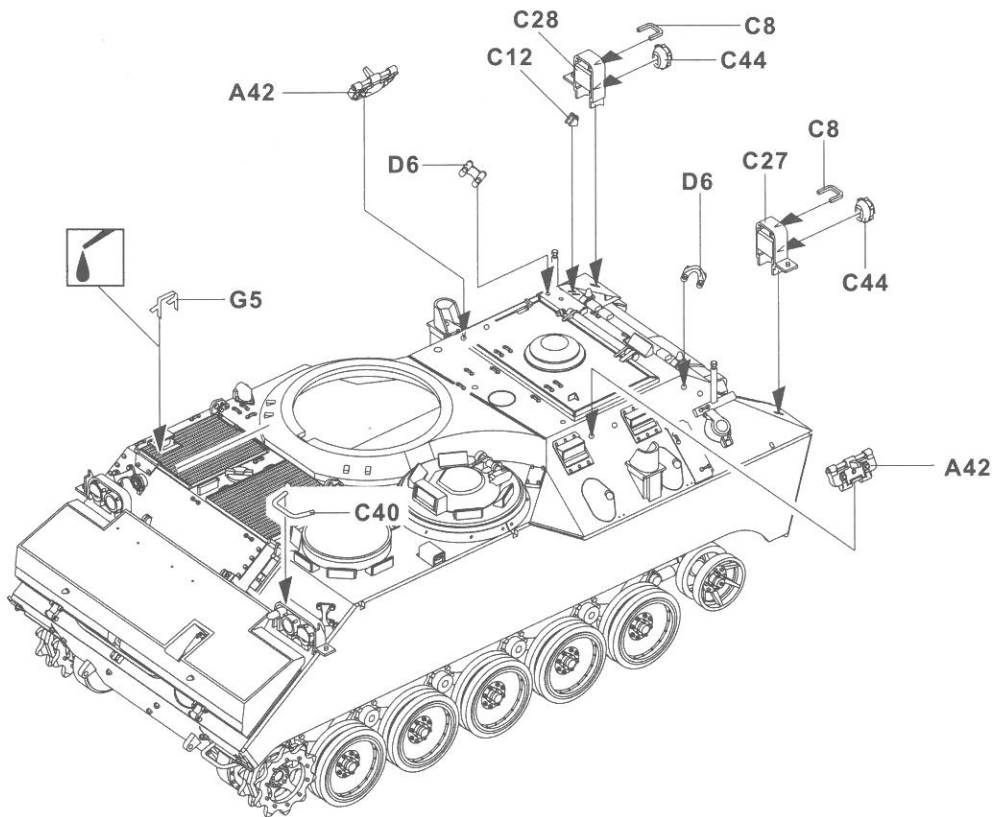
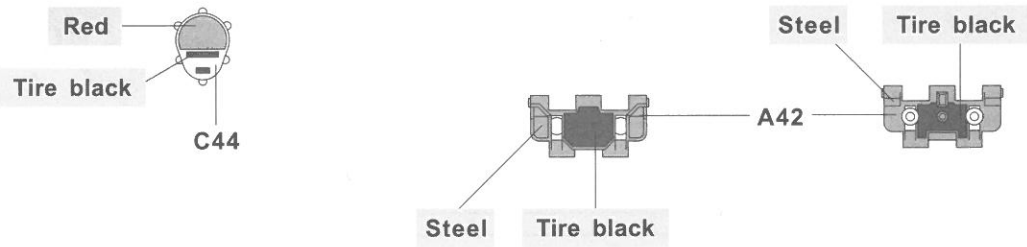




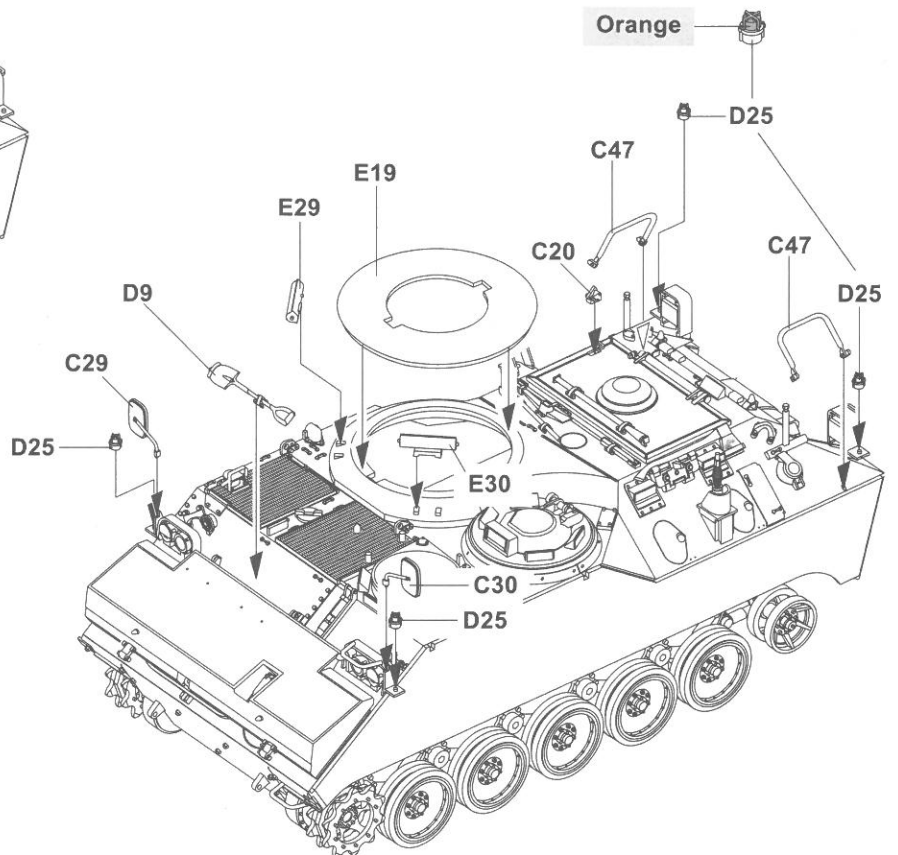
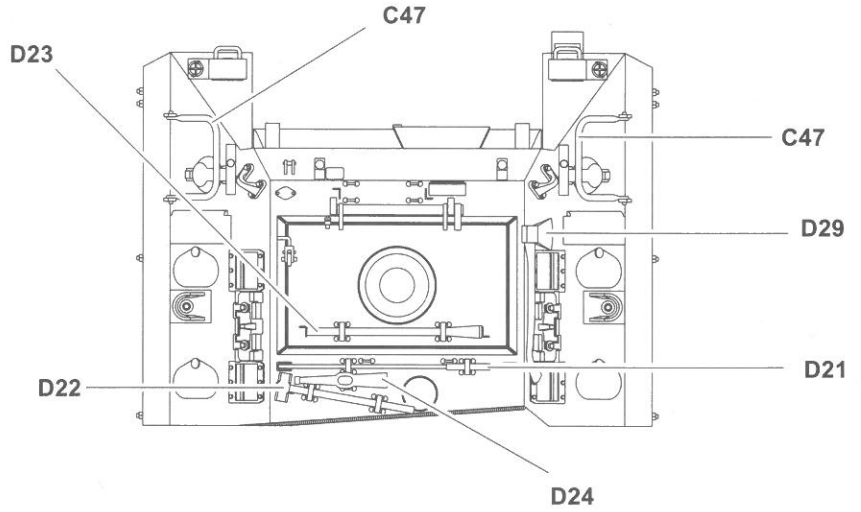
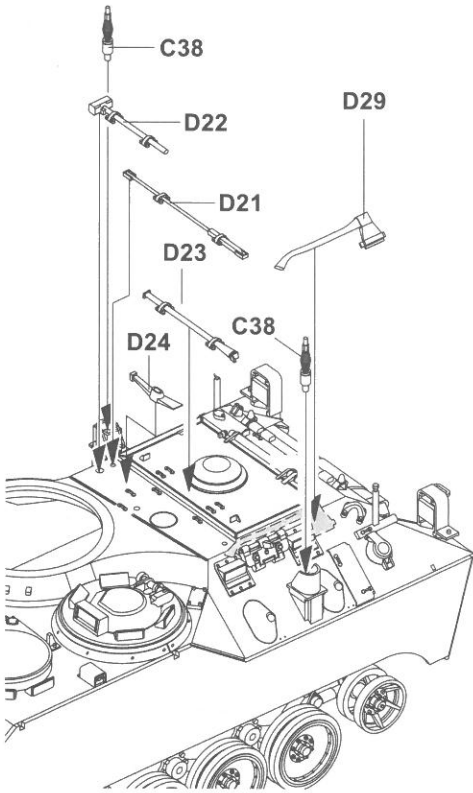
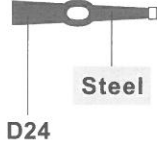
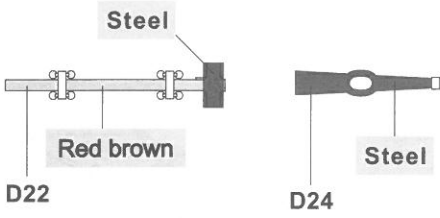
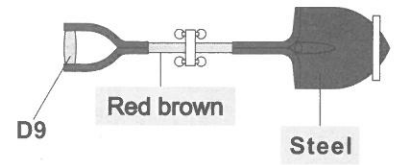
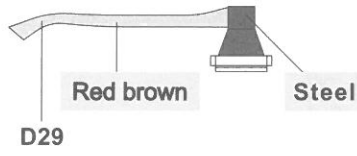
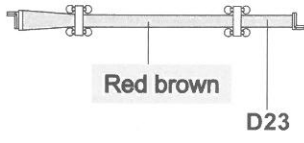
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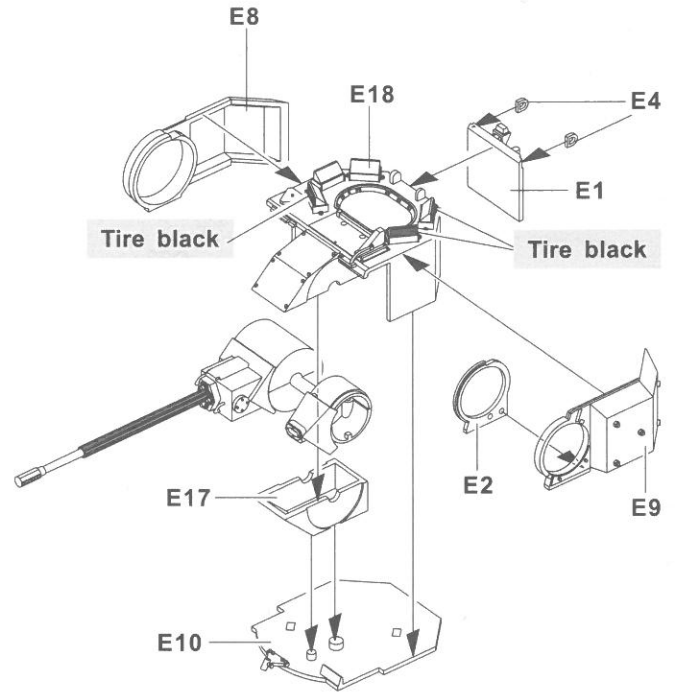
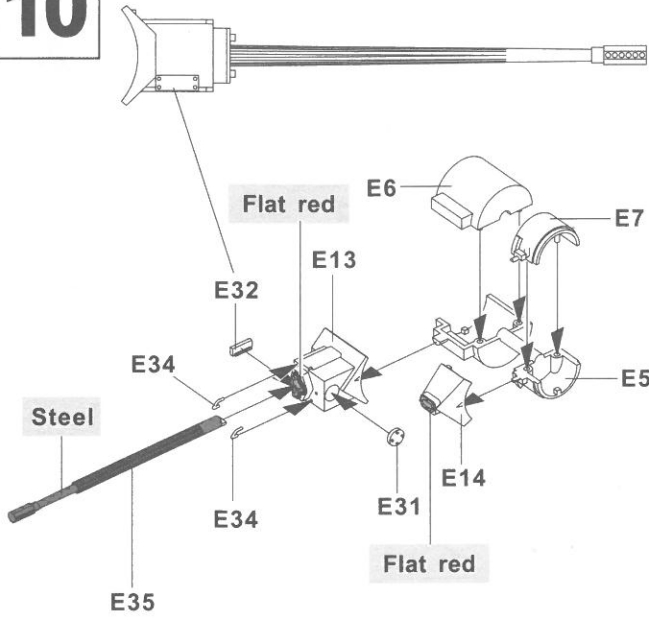
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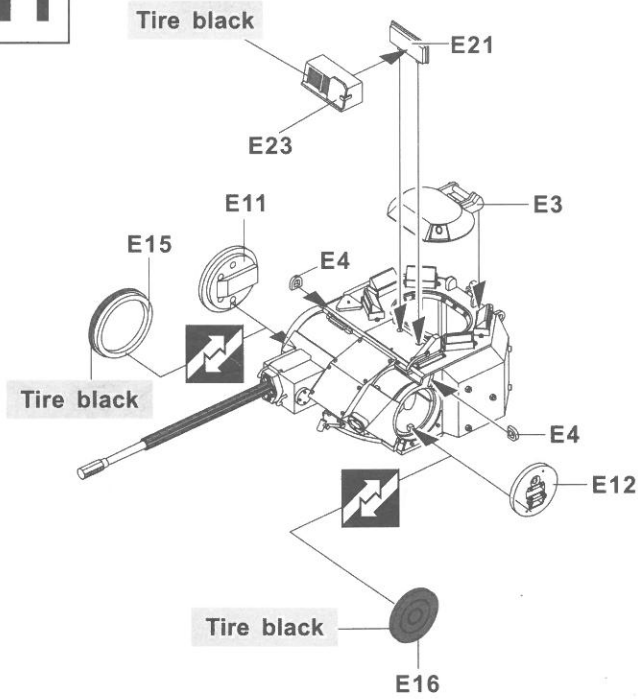
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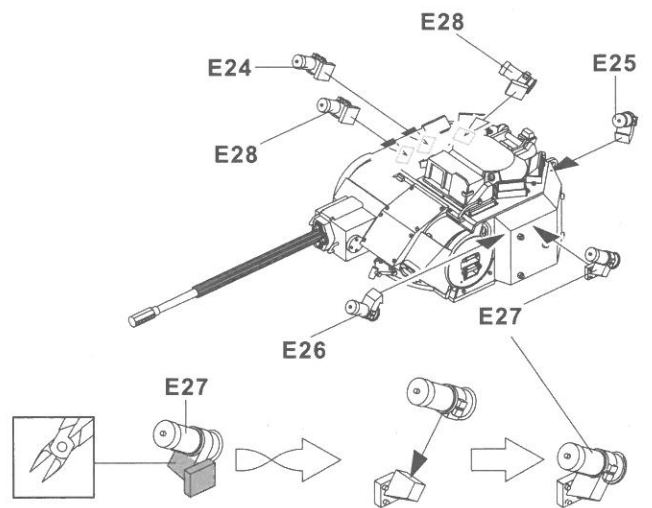
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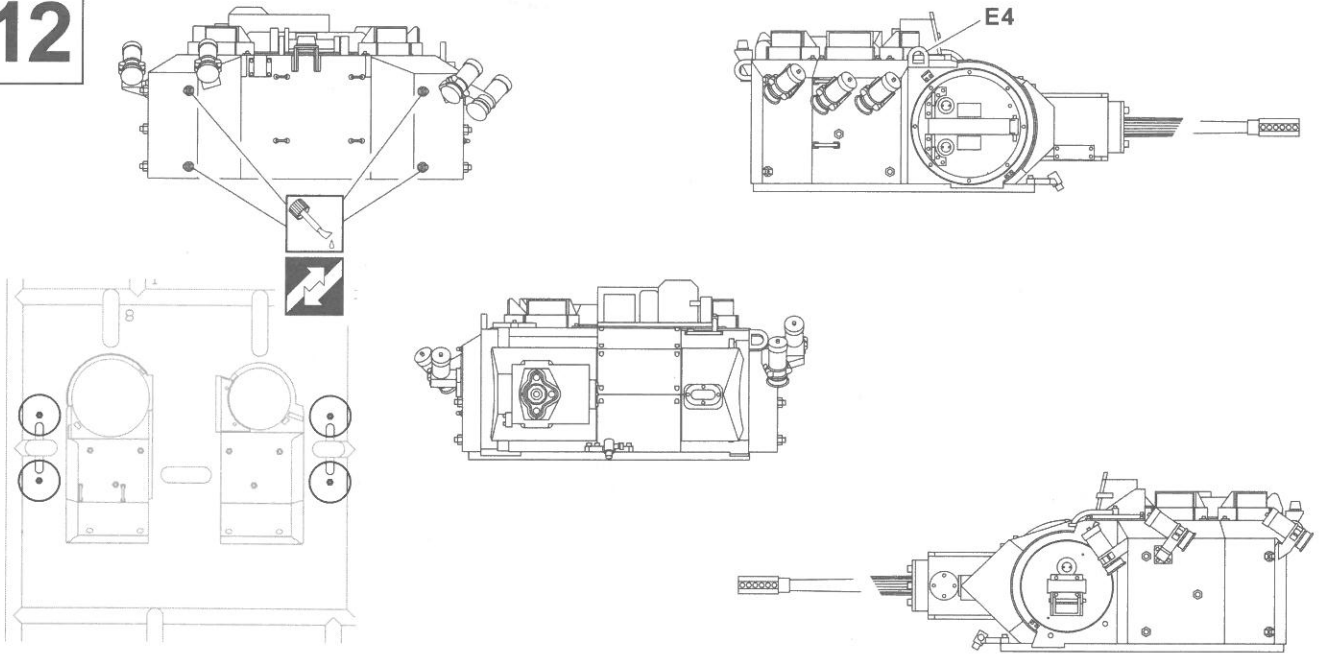


Smoke dischargers  
煙幕放射器

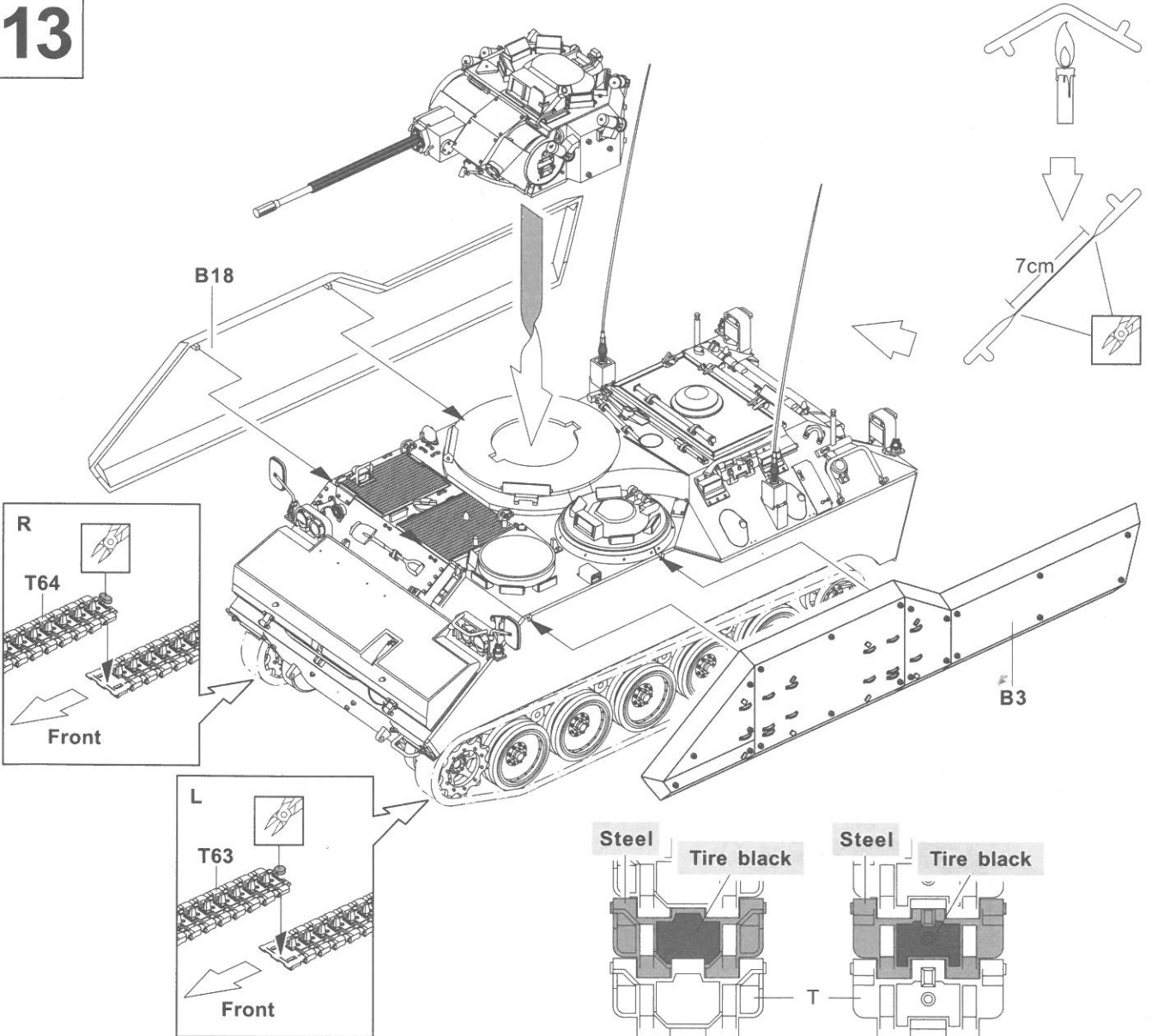




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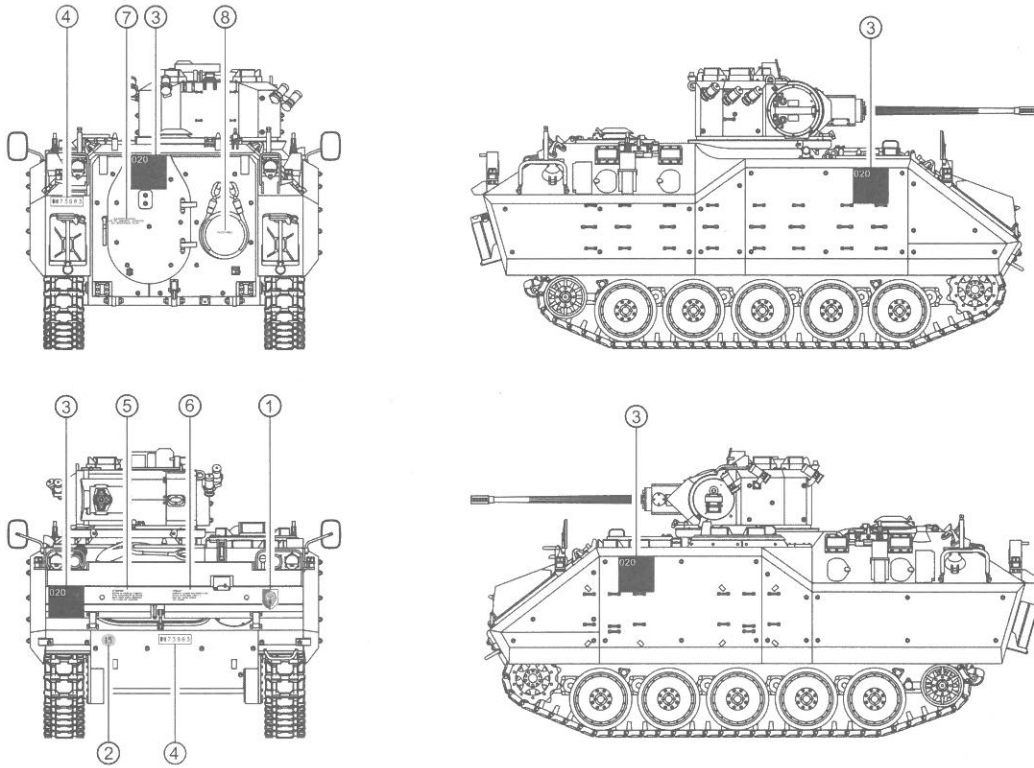


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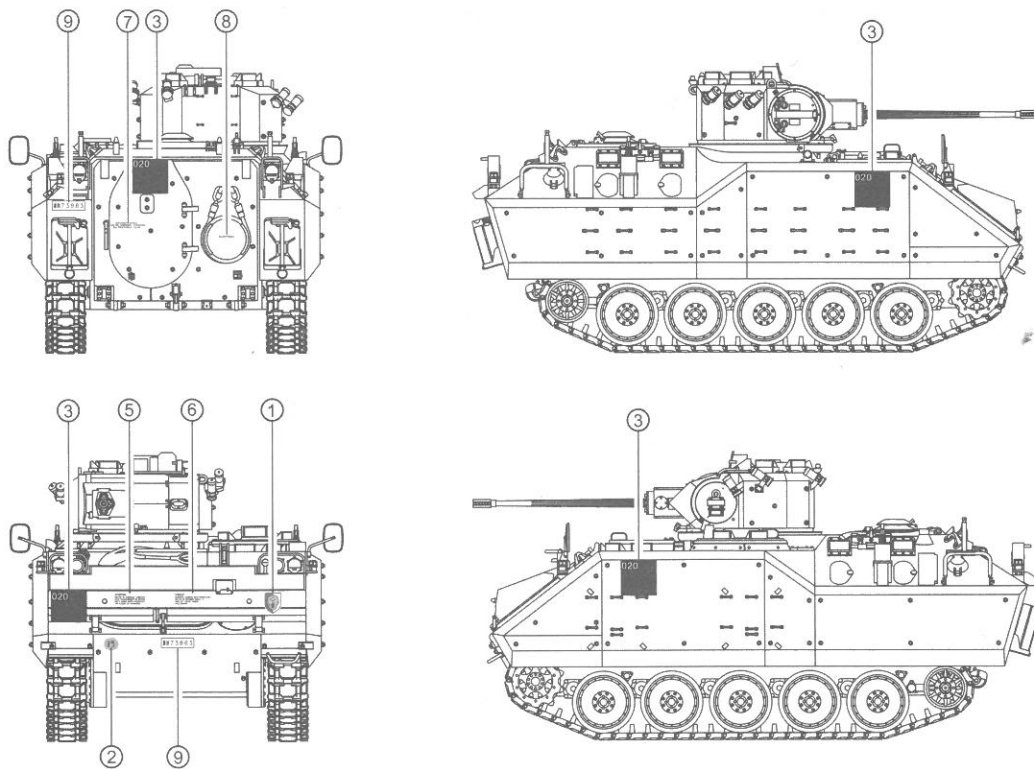
**A** Belgian army  
比利時陸軍

 Body Color:Olive drab(2)



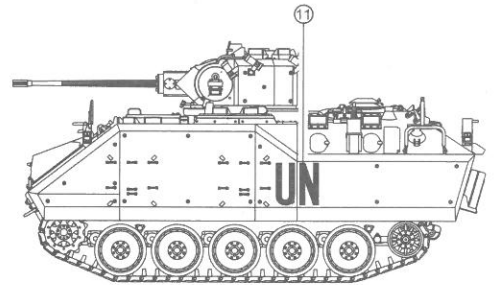
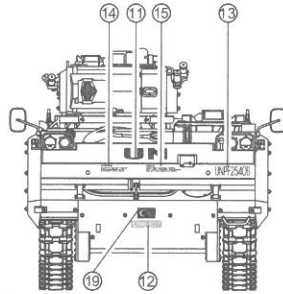
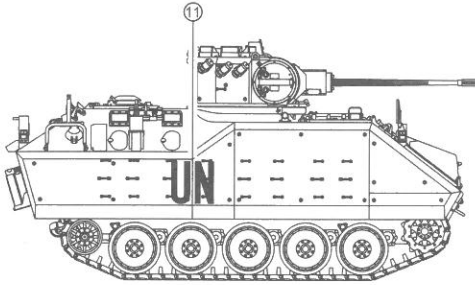
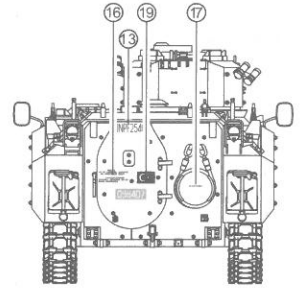
**B** Belgian army  
比利時陸軍

 Body Color:Olive drab(2)



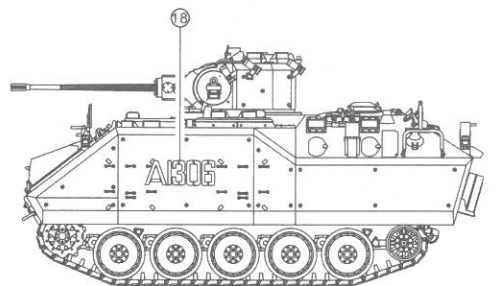
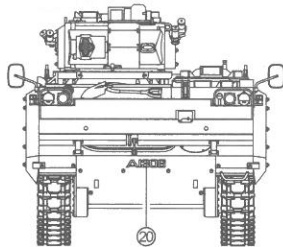
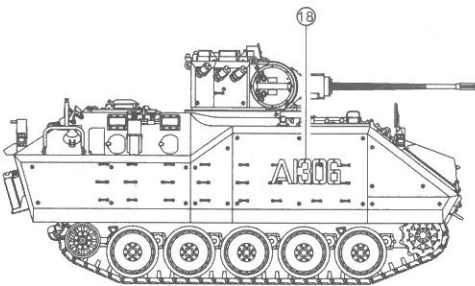
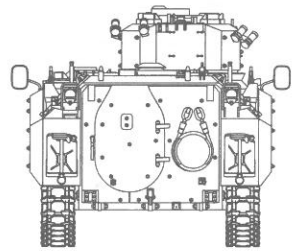
**C Turkish army (United Nation)**  
**土耳其陸軍(聯合國軍)**

 Body Color: Flat white



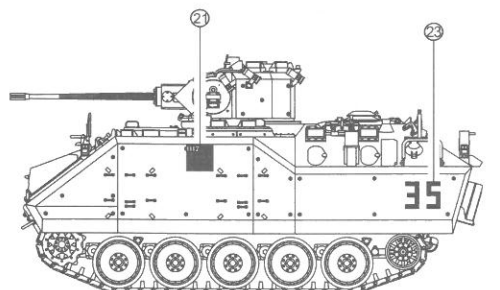
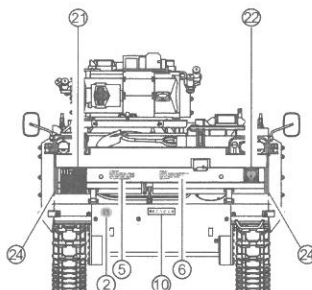
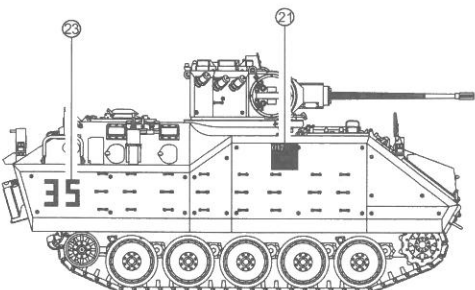
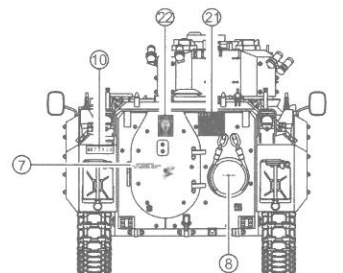
**D Philippine army**  
**菲律賓陸軍**

 Body Color: Olive drab(1)



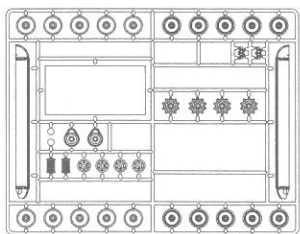
**E Belgian army**  
**比利時陸軍**

 Body Color: Olive drab(2)

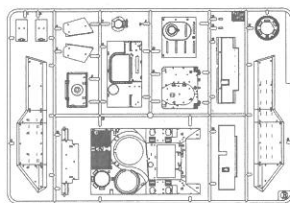


# PARTS LIST 零件表

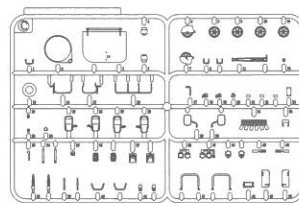
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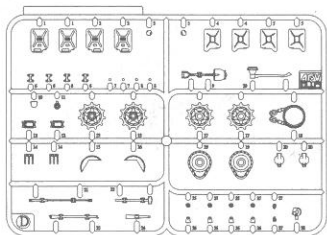
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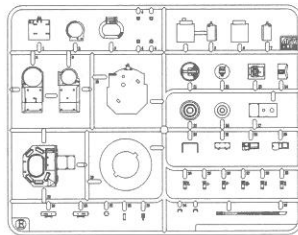
(C)



(D)



(E)



(S)



(G)



(J)



(T)



Parts :

|             |             |             |
|-------------|-------------|-------------|
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| (B) _____ 1 | (E) _____ 1 | (T) _____ 1 |
| (C) _____ 1 | (S) _____ 1 | (J) _____ 1 |



## 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.

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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  
請將本表與該部品相同金額之郵政匯票一同寄至

|   |  |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
|---|--|--------------------------|---------|---------|--------------------------|---------|---------|--------------------------|---------|---------|--------------------------|---------|---------|--------------------------|---------|---------|--------------------------|---------|---------|--------------------------|---------|---------|--------------------------|---------|---------|--------------------------|---------|---------|
|   | <b>AF 35016</b><br>零件補充申請表   | 申請人<br>姓名 地址 電話<br>: : : |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
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| <input type="checkbox"/>  | C 部品 零件  | NT\$120                  |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
| <input type="checkbox"/>  | D 部品 零件  | NT\$150                  |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
| <input type="checkbox"/>  | E 部品 零件  | NT\$150                  |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
| <input type="checkbox"/>  | G 部品 零件  | NT\$200                  |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
| <input type="checkbox"/>  | J 部品 零件  | NT\$160                  |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
| <input type="checkbox"/>  | S 部品 零件  | NT\$120                  |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
| <input type="checkbox"/>  | T 部品 零件  | NT\$160                  |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
| ( 請填 ) 總計 NT\$ _____  |  |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |
| 零件補充原因: (請於 打 )<br>原包裝 <input type="checkbox"/> 遺失或 <input type="checkbox"/> 毀損<br>製作途中 <input type="checkbox"/> 遺失或 <input type="checkbox"/> 毀損<br><input type="checkbox"/> 補充多餘零件<br>其他原因 _____ |  |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |                          |         |         |



## AF 35016 Parts Replacement Form

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

Reason for replacement:  Missing  broken

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