



M54A2

5-ton 6x6

Cargo Truck

Affected by her isolationism at the onset of WWII, United States lagged behind her European counterparts in both size and technology. It was not until the dawn of WWII that the United States realized involvement in the conflict was inevitable and began to build up its military. As part of that build up in 1939, the United States Army issued a specification for a medium sized military transport truck. It was required to be an all weather, all terrain, six wheeled pickup with a 2.5 ton weight capacity. It was also required to be able to transport a fully equipped platoon of infantry, tow light artillery pieces, and be of a design that could be easily mass produced. Since the United States had a robust and established automotive industry, it was able to deliver over eight hundred thousand military transport units of various models in relatively short time from design to mass production. These mid-sized vehicles formed the backbone of military transport logistics for the United States and its allies during WWII.

During WWII, the United States had both 4- and 6-ton class tactical transports for towing the 155mm howitzer and 90mm cannons. In order to simplify logistics the US Army wanted to replace both with a new 5-ton six-wheeled platform prior to the end of the war. To that end it issued a specification for a new 5-ton tactical transport capable of carrying 25 personnel including the driver. A conservative design by International Harvester designated M39 won the bid. The M39 was a six-wheeled platform that shared it's gasoline engine and other components with the M35 2.5 ton transport. Later on in development it was re-designated the M54 with the addition of two more wheels per rear axle. With the M54 chassis established as the basic platform other related variants were developed. In 1962 came the M54A1, in which a diesel engine replaced the gasoline-powered engine solving its power deficiencies. In 1963, further development of a multi-fuel powered version culminated in the M54A2, which went into production and entered service in Viet Nam. During its tenure in the conflict, the M54 became the backbone of logistics for both the US Army and US Marine Corps. Until de-mobilized M113 armored troop carriers were utilized, machine guns and armor plating were added to the M54A2 for convoy defense.

Due to it's increased efficiency the M39 gradually replaced with the M35 series transport. The M39 was in production from 1952 to 1965 by several different manufacturers. Thus, there are many differences with regards to external features based on both the time period and specific manufacturer. Furthermore, in 1970, the M809 (also 5-ton class with all terrain capability) was developed using the M54A2 as a base. It adopted diesel as its source of power complemented with a strengthened braking system. The M809 did not, however, replace its predecessors. The two types served concurrently in the military until their replacement by the M939 series in 1982.

孤立主義の影響により、第二次世界大戦前の米国陸軍は規模・装備で他の参戦国と比べて非常に貧弱であった。戦火が欧州にまで及びると米国は部外者で居続けられないと悟り、徐々に軍備の拡大に着手した。1939年に陸軍は将来の中型軍用トラックに基準を設けた。この6輪駆動トラックは2.5トンのオフロード能力を持ち、歩兵部隊1個をまとめた運搬や歩兵砲の牽引、量産にも適し、あらゆる天候条件下で使用可能となった。米国は既に自動車産業の確固たる基盤を確立しており、その時点で資源を軍事需要に素早く投入しているため、2.5トントラックは数多くの自動車工場によって設計・生産された。第二次世界大戦中、80万台以上生産され、米軍および同盟諸国の陸上輸送の主力を構成した。

同じ時期、米国陸軍の155mm榴弾砲と90mm対空砲はそれぞれ4トン・6トンの戦術トラックが牽引していた。第二次世界大戦終結前に、物流の負担を軽減するために、米軍はこれらの異なる車両を新しい5トンの6輪駆動トラックで置き換えるという考えを持ち始めた。1949年に運転手を含み25人を乗せることができる5トンの戦術トラックの仕様で策定された。1951年にインターナショナルハーベスターカンパニーの保守的な設計が選ばれ、M39の形式番号が割り当てられた。M39は2.5トントラックM35と同じガソリンエンジンと多くの部品を共有する6輪設計であった。その後、リアアクスルごとに2つのホイールを追加した改良モデルをM54と呼び、このシャーシを他の特殊車両を開発するためのベースとして使用した。パワー不足の問題を改善するために、1962年にディーゼルエンジンへ交換しM54A1へとアップグレードされた。1963年、複数の燃料エンジンを搭載したM54A2が導入され、ベトナム戦争の拡大とともにベトナムの戦場に投入された。戦争中は米軍陸軍・海兵隊の主要輸送車となったほか、機関銃や装甲の追加、さらには動力システムを外したM113装甲兵員輸送車の車体を載せ、輸送団を守る装甲トラックとして使用された。

M39シリーズの5トントラックの登場により輸送効率が向上し、M35シリーズの2.5トントラックの地位は徐々に置き換えられた。M39シリーズの生産期間は1952年から1965年までの間に、異なる工場で生産されたため、前後期で荷台や外形に若干の違いが生じた。1970年にM54A2をベースにディーゼルエンジンに置き換え、同じくオフロード5トンの性能に加え、ブレーキと操縦性を向上させたM809シリーズを開発。しかしM809は前者にとって代わる事はなく、両車両は同時に使用された。それは1982年にM939シリーズ車輛に取って代わられるまで米国軍で使用された。

受到孤立主義的影響，二次大戰前美國地面部隊的規模、裝備與其他參戰國相較顯得十分貧弱。直到歐洲戰爭爆發，美國認為自身將難以置身事外，才開始逐步的擴充軍備。1939年時陸軍為未來的中型軍用卡車制定了標準，這種六輪驅動卡車具有2.5噸級的越野載重能力、能夠搭載一個完整的步兵班、牽引輕型火炮、適合大量生產，並能在各種天候下越野操作。由於美國早已建立了厚實基礎的汽車工業，此時迅速的將資源投入軍需之上，分別由多家汽車工廠設計與生產的2.5噸級卡車，在二次大戰期間共有超過八十萬輛被建造完成，構成了美軍以及盟邦陸上運輸的主力。

同一時期，美軍的155毫米口徑榴彈砲與90毫米口徑高射砲，分別由4噸與6噸級的戰術卡車來牽引。二次大戰結束前，為了簡化後勤負擔，美軍開始有了將這些不同車輛統一以新的5噸級六輪驅動卡車來取代的想法。在1949年為5噸戰術卡車制定了規格，含駕駛能夠搭載25名乘員。1951年由國際收割機公司的保守設計獲得中選，該車輛被賦與了M39的型號。M39為六輪的設計，與2.5噸卡車M35共用相同的汽油發動機與許多零件。稍晚，在後輪車軸各增設兩個車輪的改良型號被稱為M54，並以此底盤為基礎而開發其他的特殊車輛。為了改善動力不足的問題，1962年更換柴油發動機升級為M54A1。1963年又推出採用多重燃油引擎的M54A2，並隨著越南戰事的擴大而進入越南戰場。在戰爭期間成為美國陸軍、陸戰隊的主要運輸車輛，也被加裝機槍與裝甲，乃至搭載拆去動力系統的M113裝甲運兵車，做為護衛運輸車隊的裝甲卡車來運用。

由於擁有更高的運輸效率，M39系列5噸卡車出現後，在軍隊中逐步取代了M35系列的2.5噸卡車地位。M39系列車量生產期由1952年至1965年為止，其間分別由不同的車廠負責生產，也因此形成前後期車輛貨斗與外型的細微差異。1970年再以M54A2為基礎，換裝柴油發動機，發展出越野載重同為5噸，並強化的煞車與操作性的M809系列，但M809並未取代前者，這兩種車輛同時仍然並行使用當中。在美軍之中至1982年始為M939系列車輛所取代。

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 Warm 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:

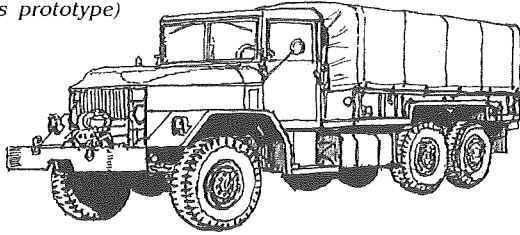
1. 將模型表面擦乾淨
2. 將貼紙剪下泡入溫水中浸泡約15秒
3. 將泡濕之貼紙取出置於欲貼處旁
4. 用指尖輕推貼紙表面使其滑出底紙
5. 將貼紙調整至適當位置並輕擦拭水份
6. 待其自然乾燥後即完成

Color list: 塗料表

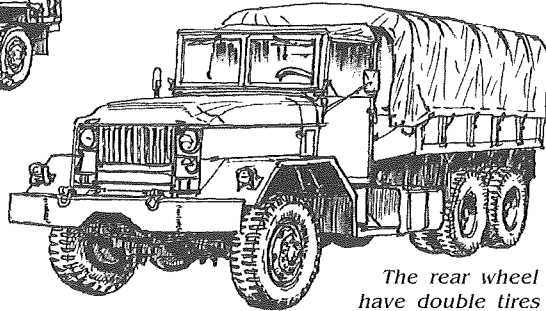
Color	Brand	GSI Creos			Humbrol	Revell	Lifecolor
		Hobby Color	Mr.Color	Mr.Color Spray			
Olive drab(2)	橄欖褐	H78	C38	J38	66	46	UA106
Orange	橘	H14	C59		18	30	LC55
Orange yellow	橘黃	H24	C58	J58	69	12	LC53
Red	紅	H3	C3	J3	19	31	LC56
Red brown	紅褐	H47/H406	C41	J41	160	383	UA085
Sail color	帆布	H85	C45		28		UA099
Silver	銀	H8	C8	J8	11	90	LC74
Smoke gray	煙灰	H95	C101				
Steel	黑鐵	H18	C28	J28	53	91	LC76
Tire black	輪胎黑	H77	C137		85	302	LC02

M54 5t Cargo Truck series

M41 6x6 Cargo Truck
(M54's prototype)

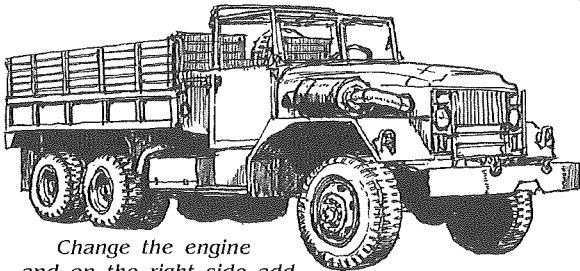


M54 6x8 Cargo Truck



The rear wheel part have double tires and increase the carry load.

M54A1 Cargo Truck

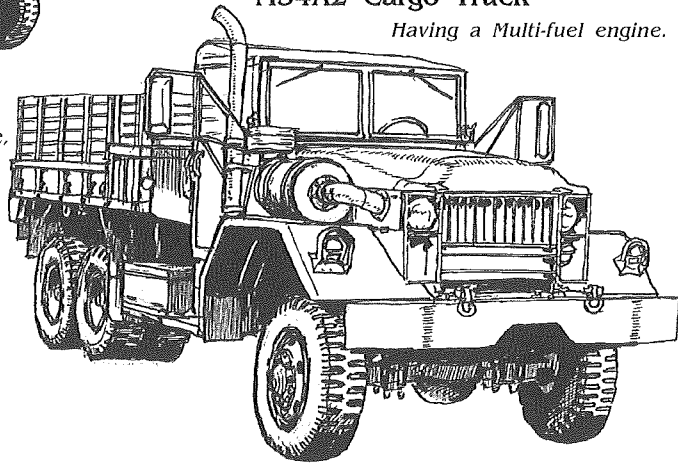


Change the engine and on the right side add a huge oil bus type air cleaner.

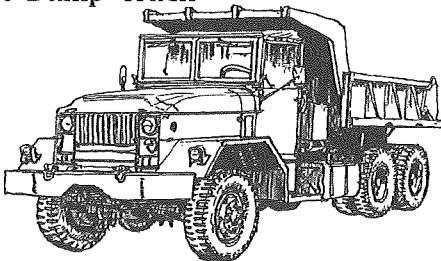
After the A1 type, having a chimney style exhaust pipe.

M54A2 Cargo Truck

Having a Multi-fuel engine.

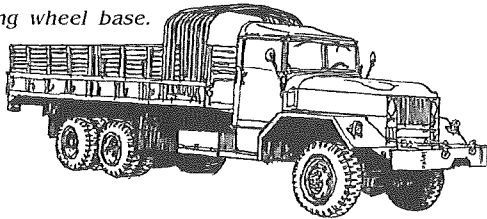


M51 5t Dump Truck



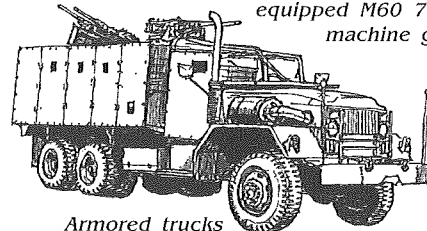
M55 Cargo Truck

Long wheel base.



M54A2 Gun Truck

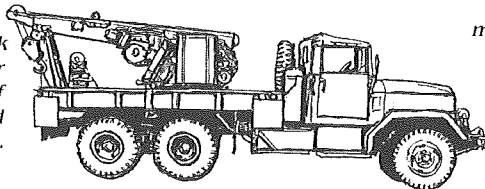
Centered on M2 .50cal machine gun and equipped M60 7.62mm machine gun, ect.



Armored trucks made to protect conroy during the Vietnam War.

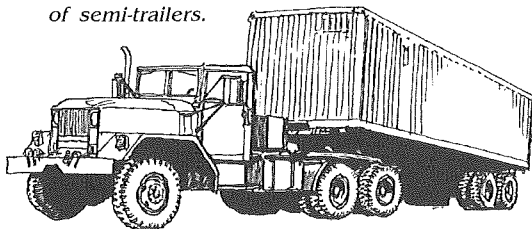
M543 Wrecker

It is a flexible and practical truck used to repair various types of vehicles and construction.



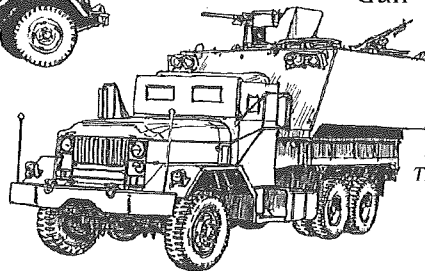
M52 Tractor Truck

Used to tow all kinds of semi-trailers.



Gun Truck with M113

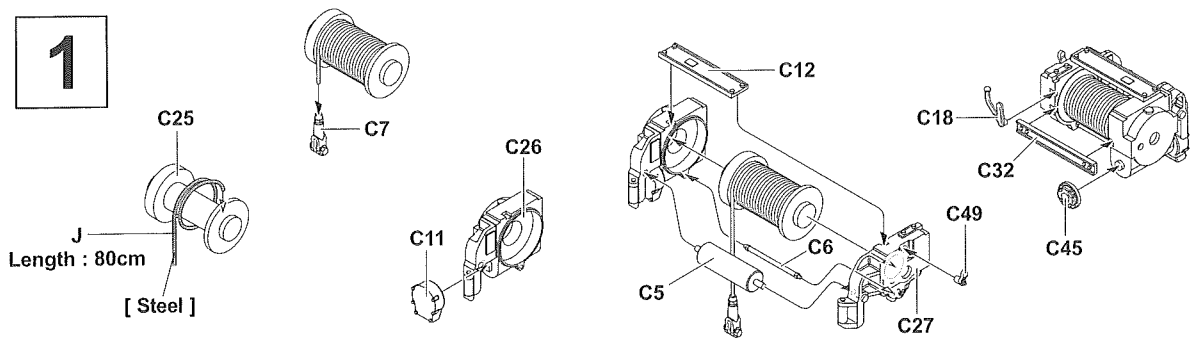
The bucket load a M113 APC body's Gun Truck.



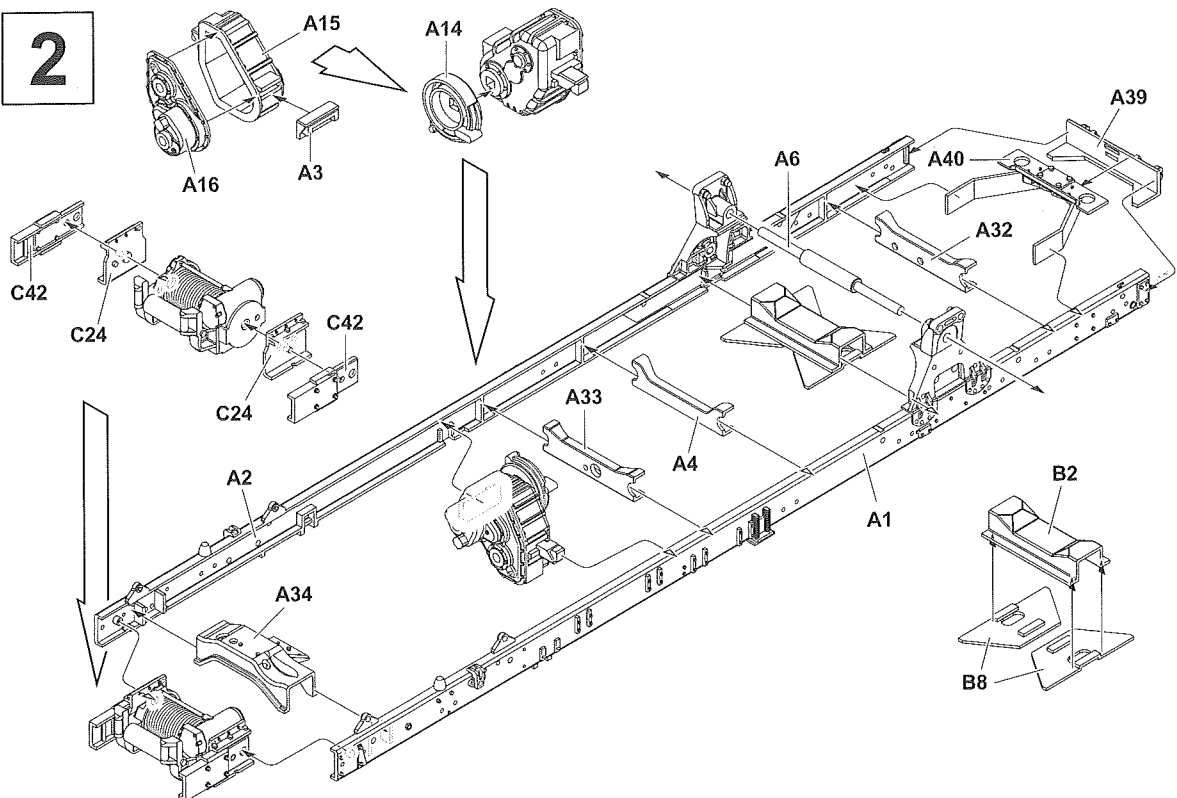
Shin.ueda

上田 信

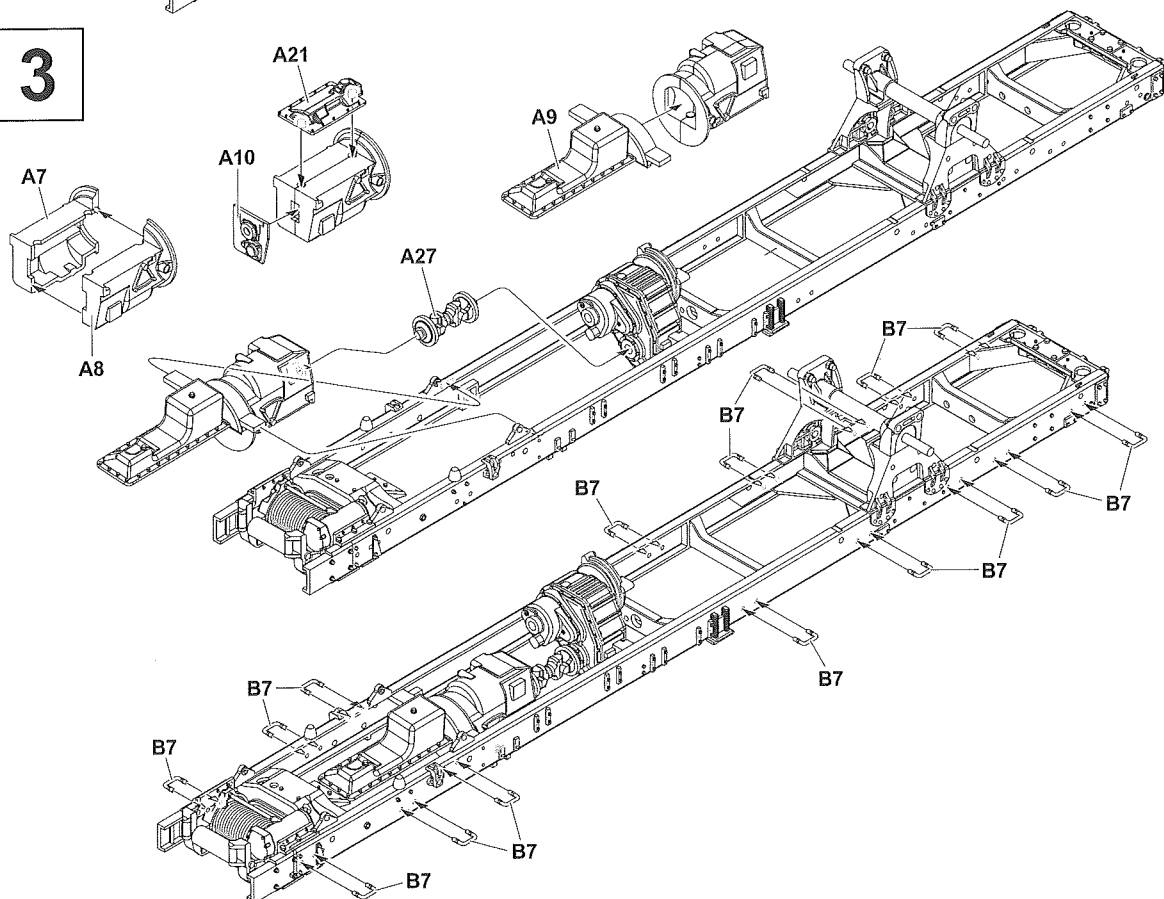
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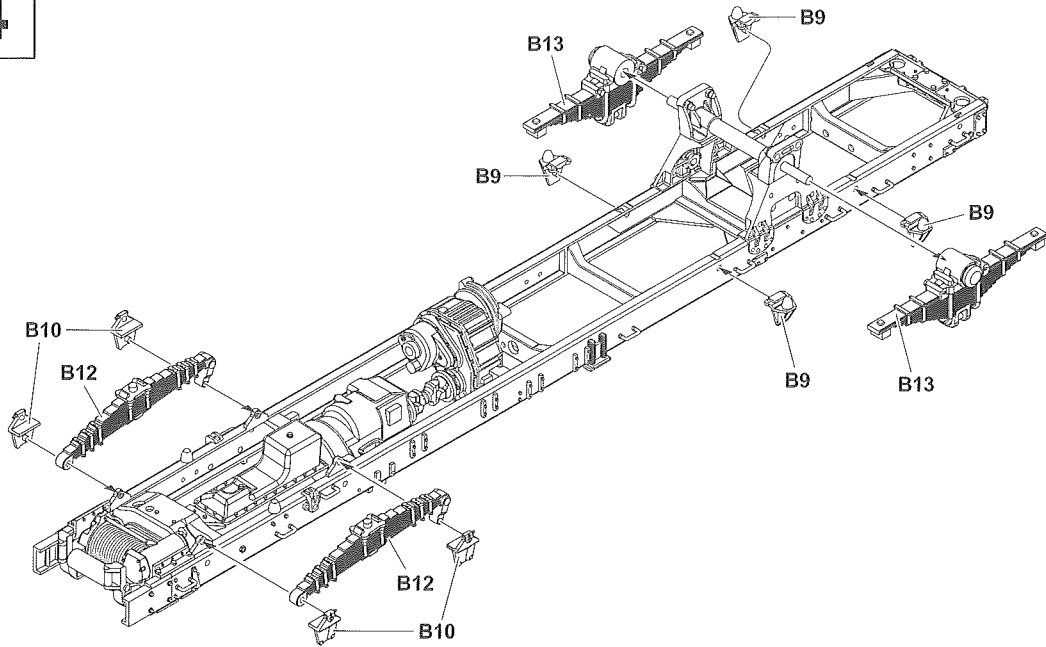
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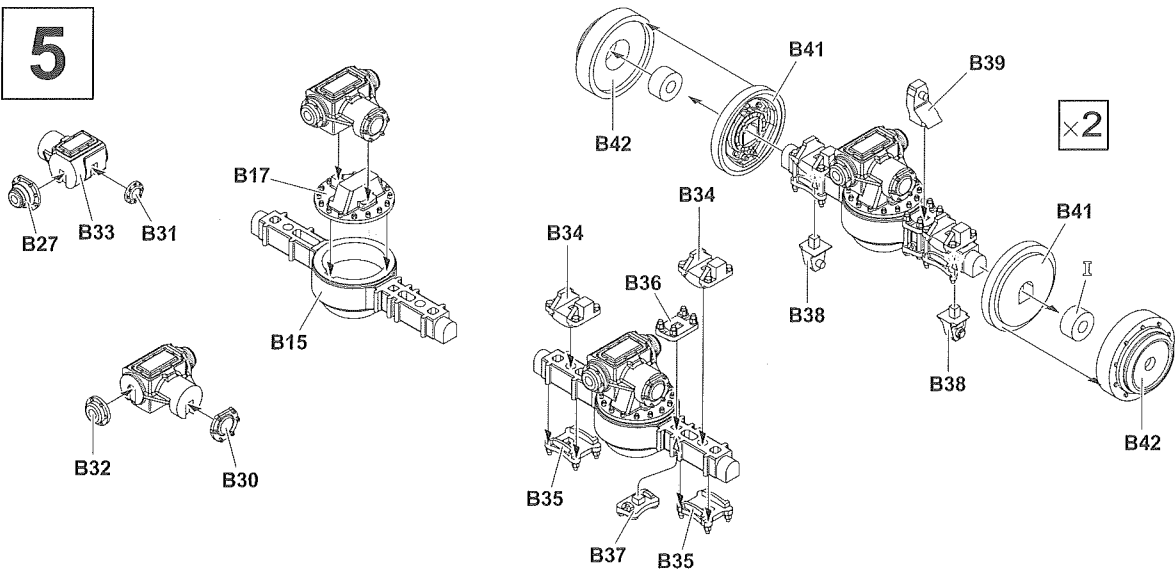
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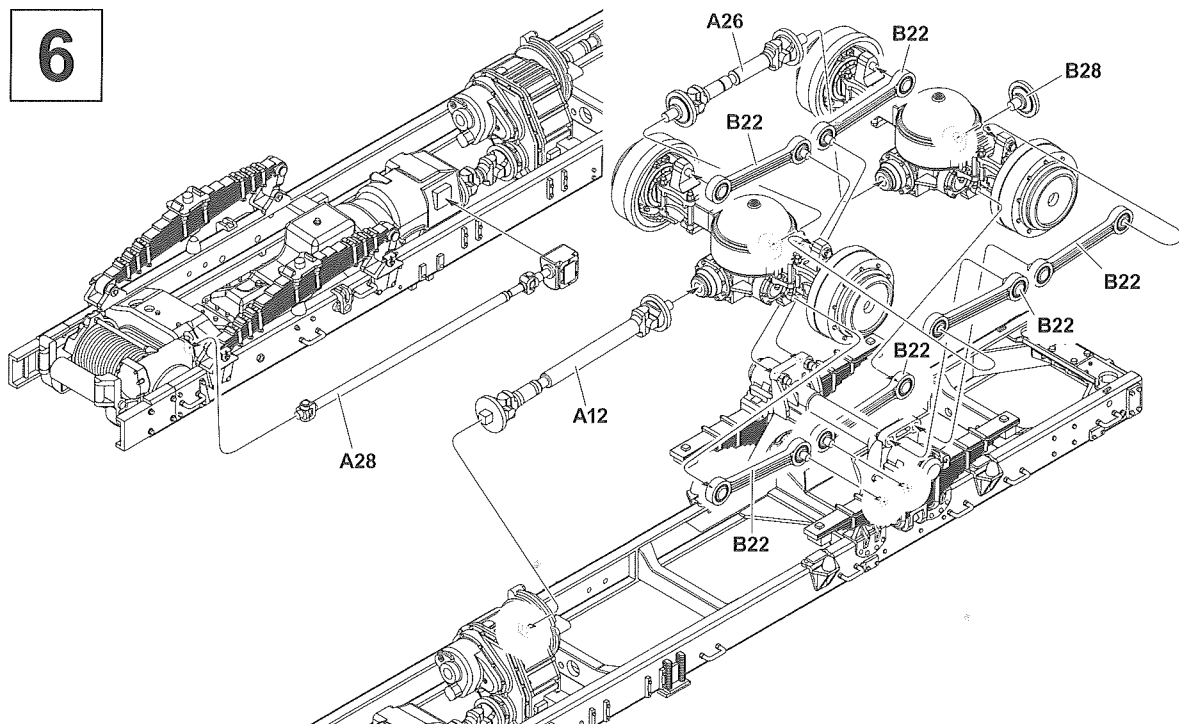
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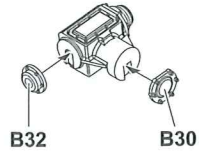
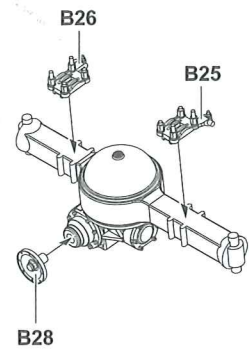
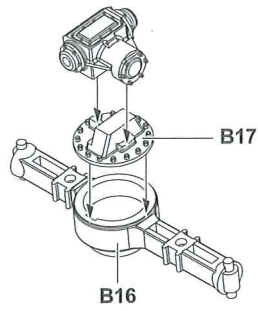
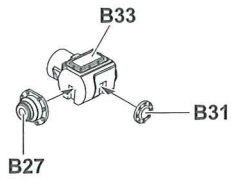
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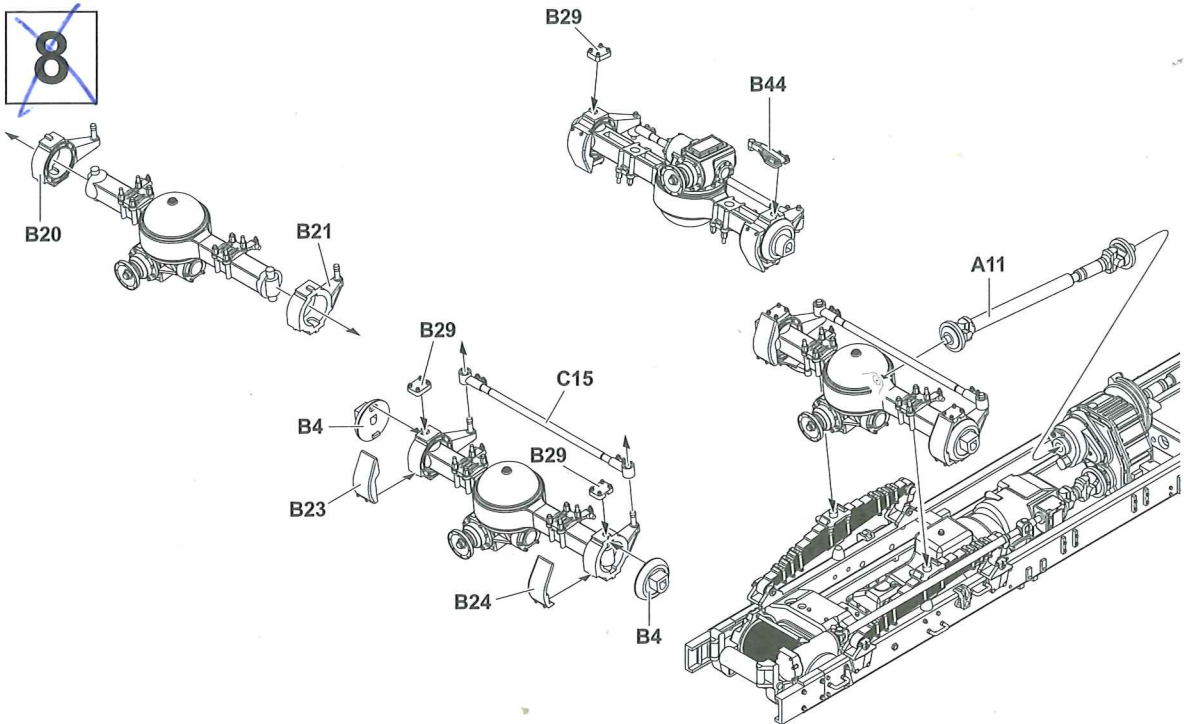
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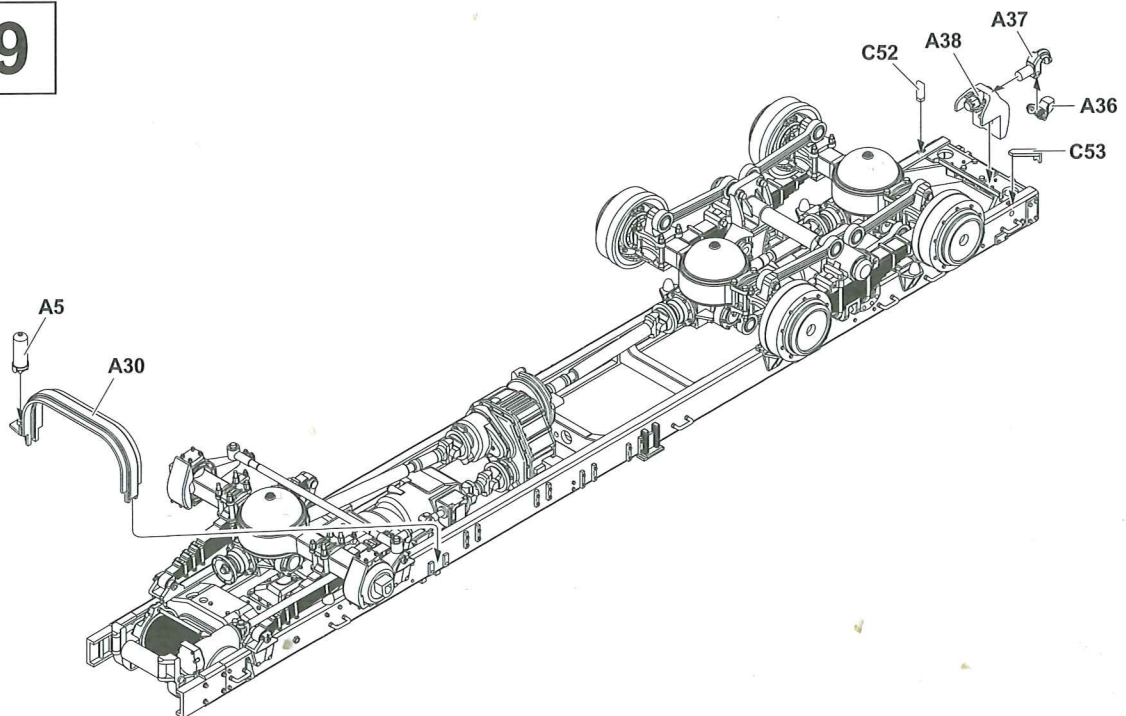
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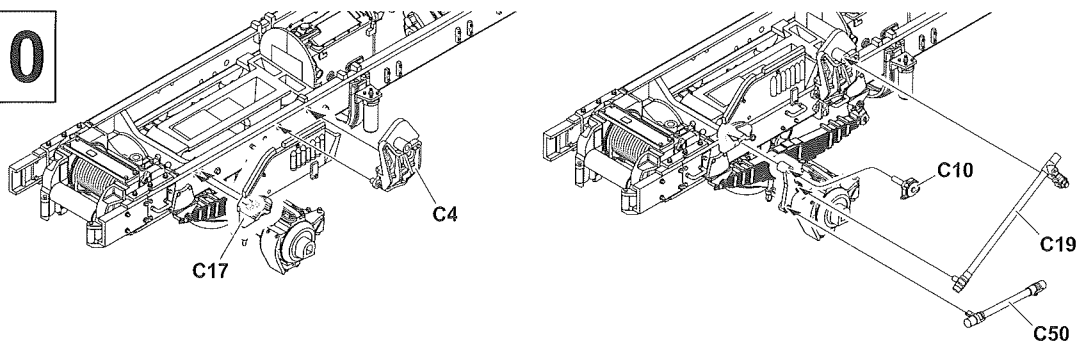
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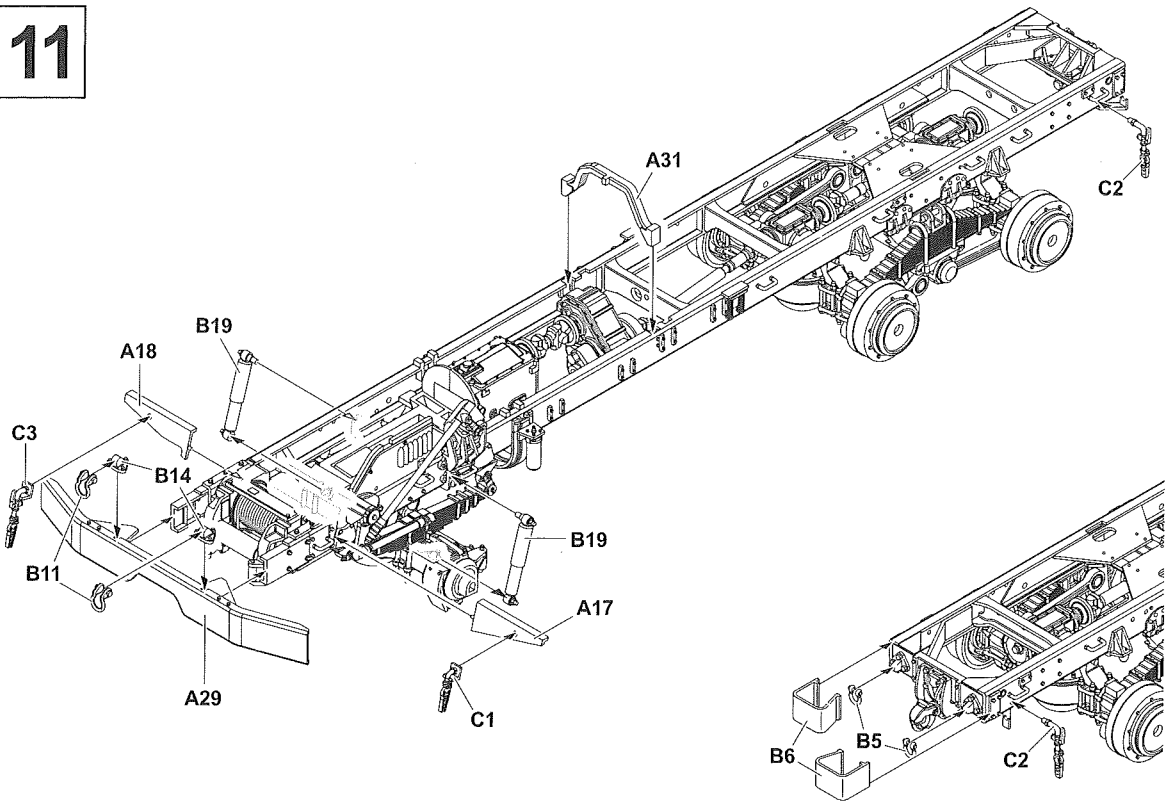
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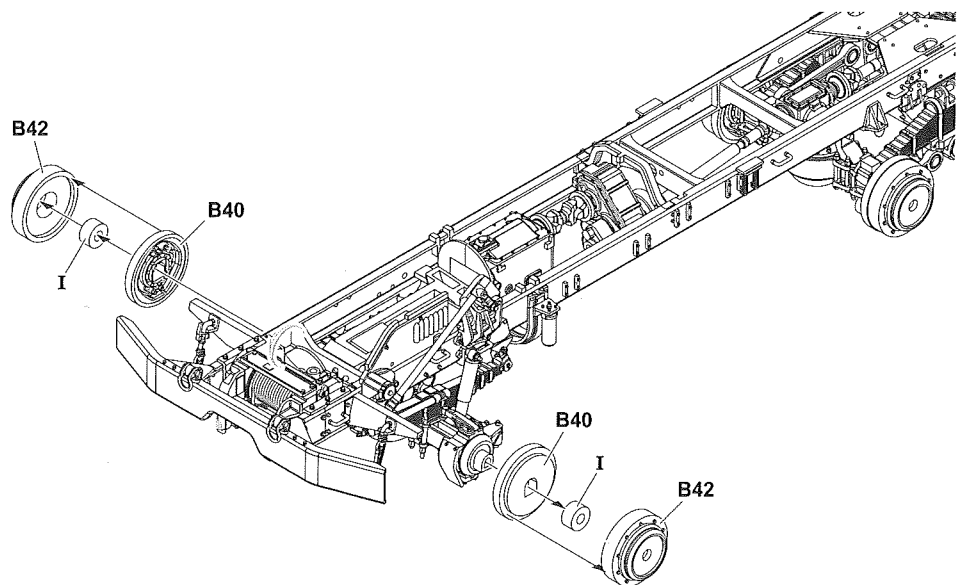
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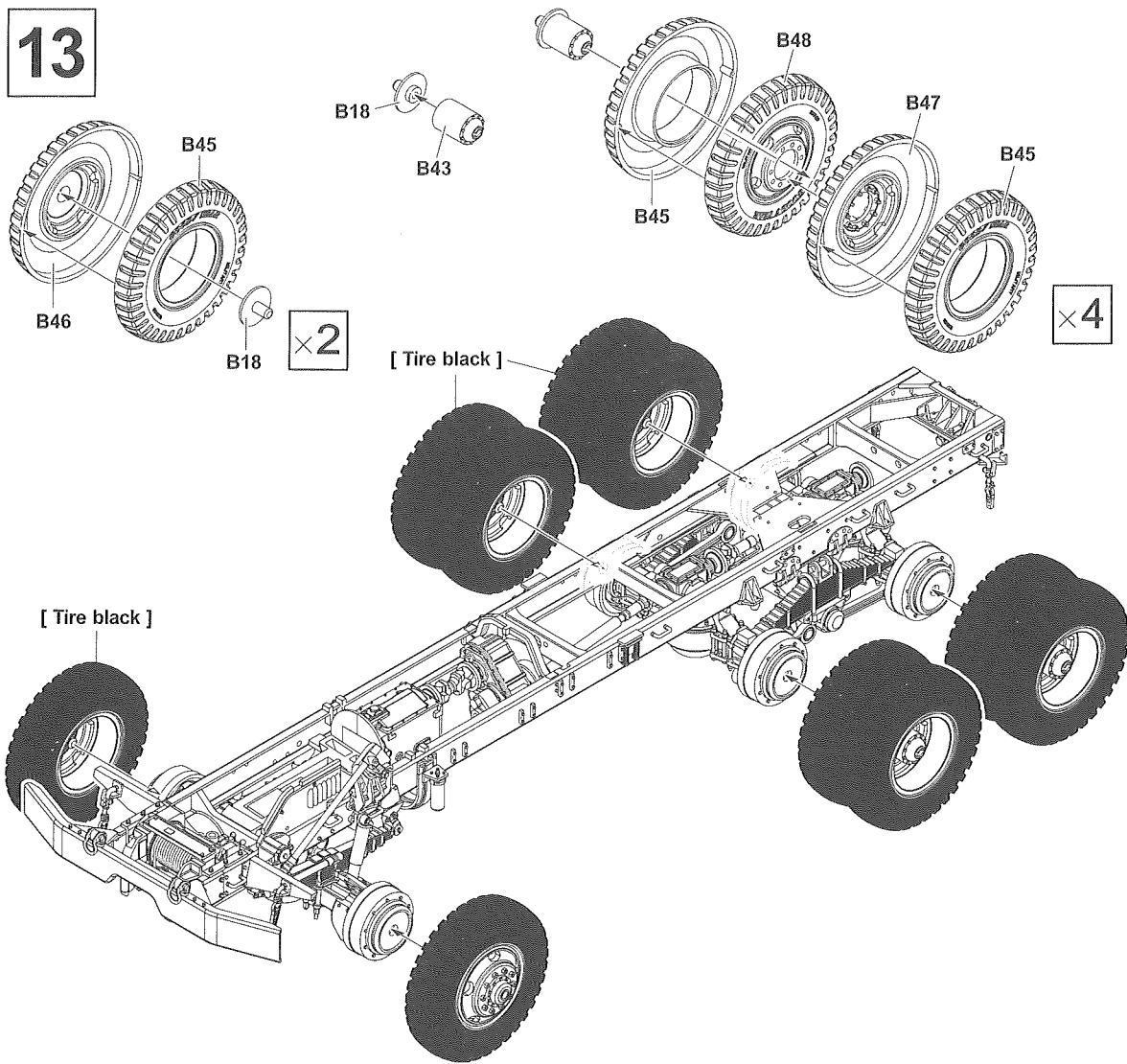
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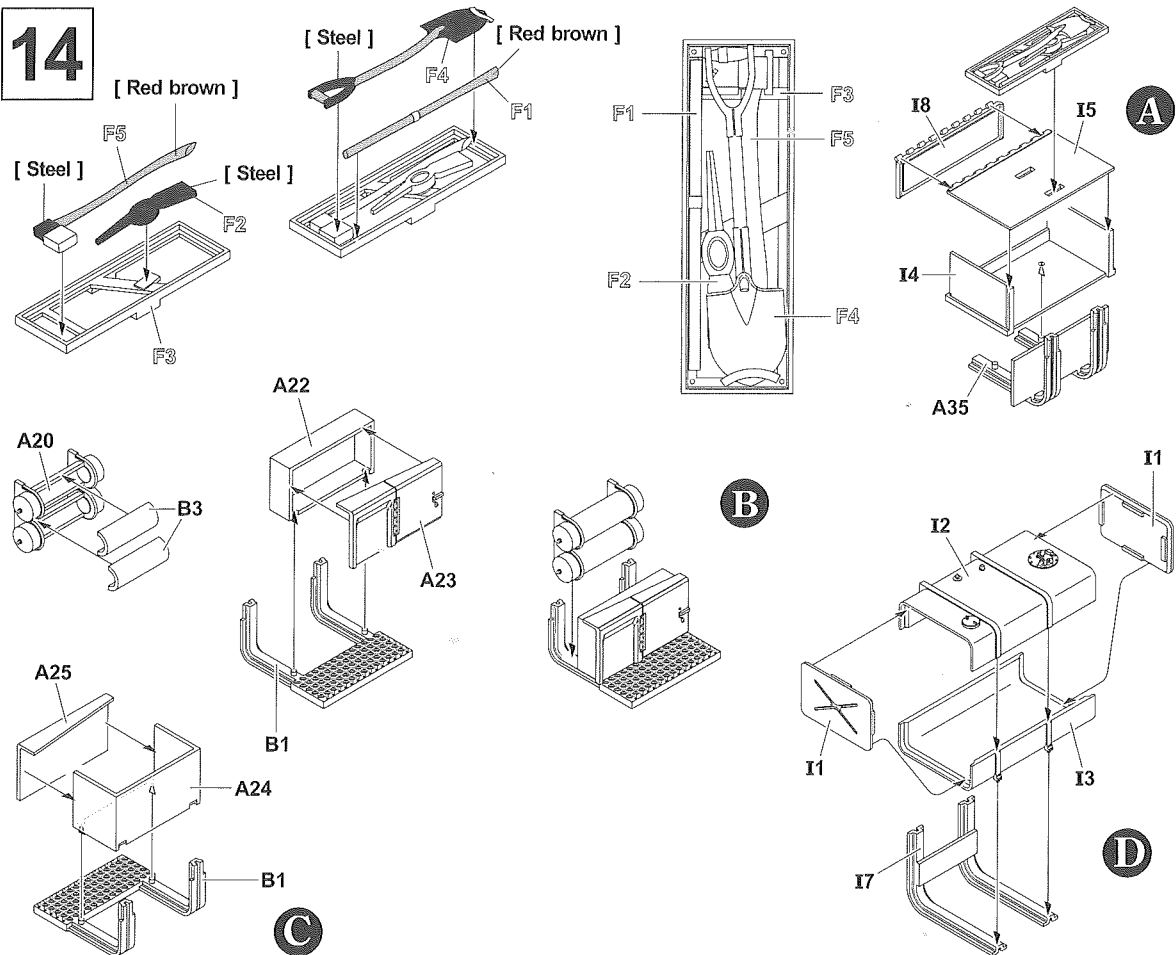
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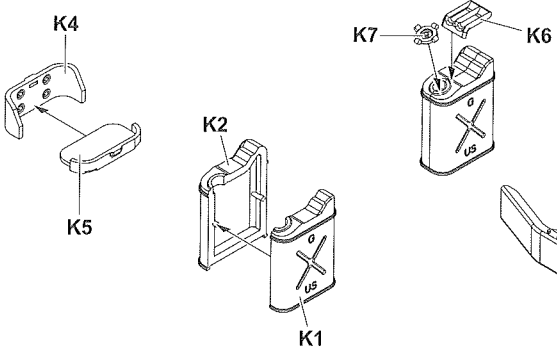
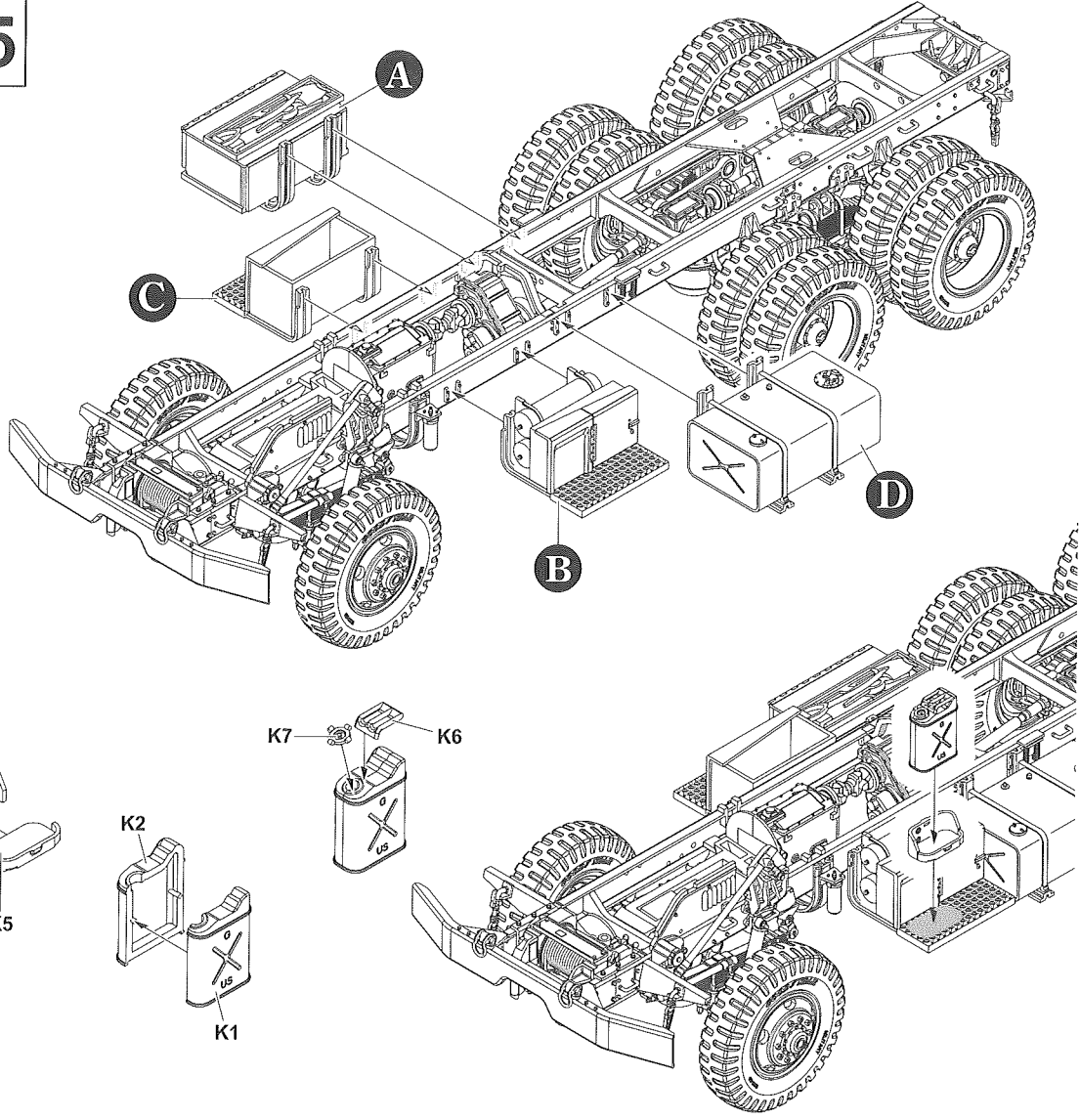
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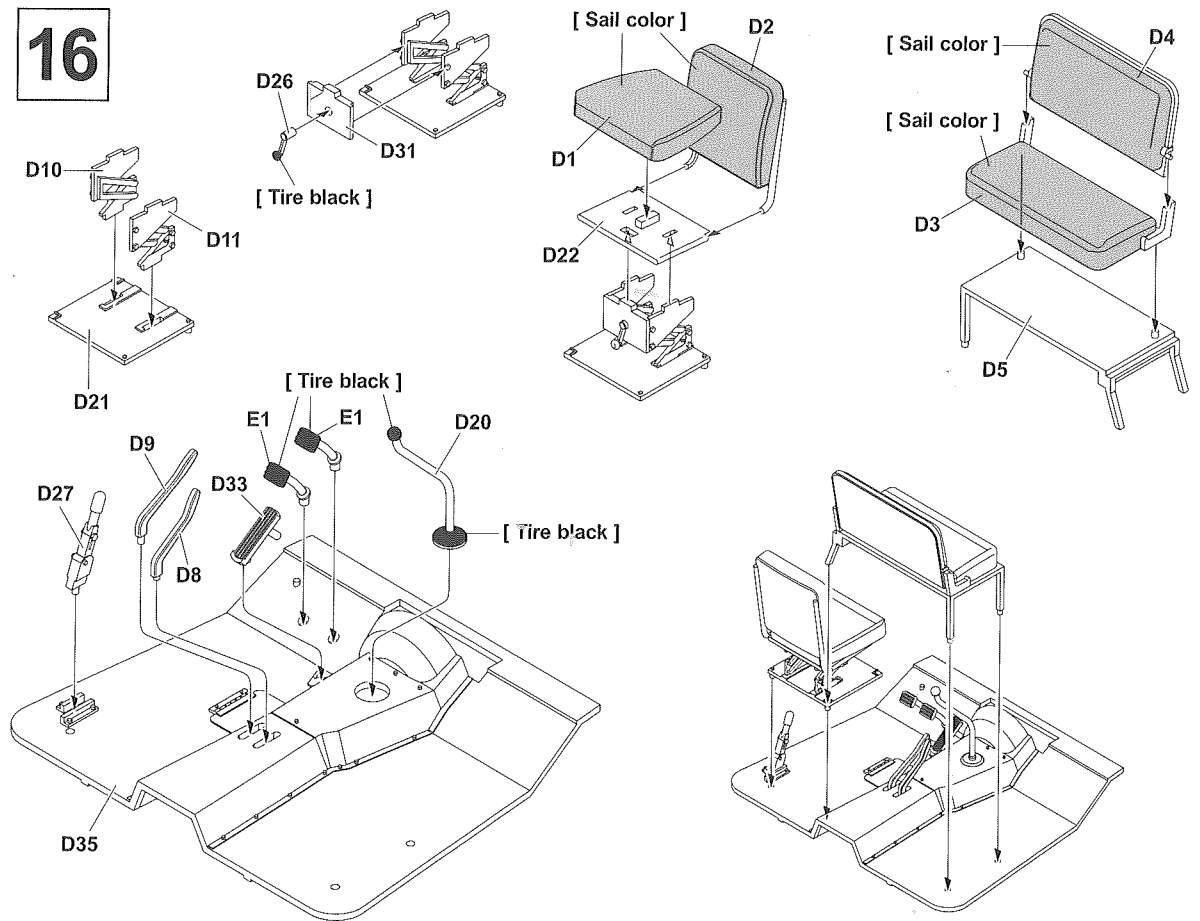
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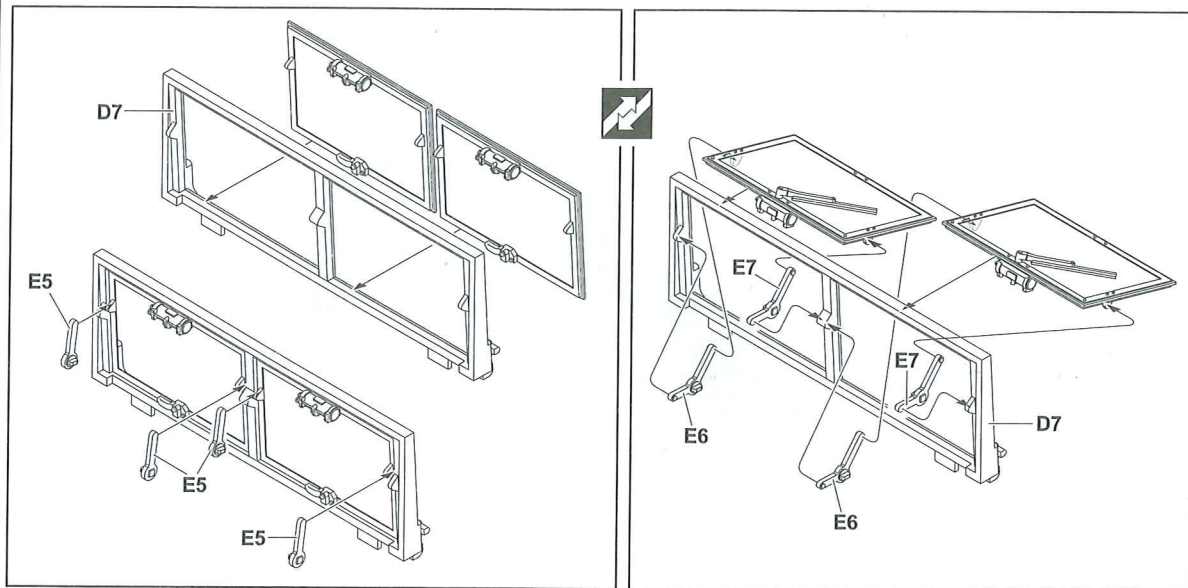
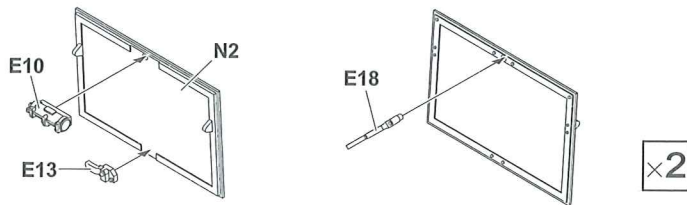
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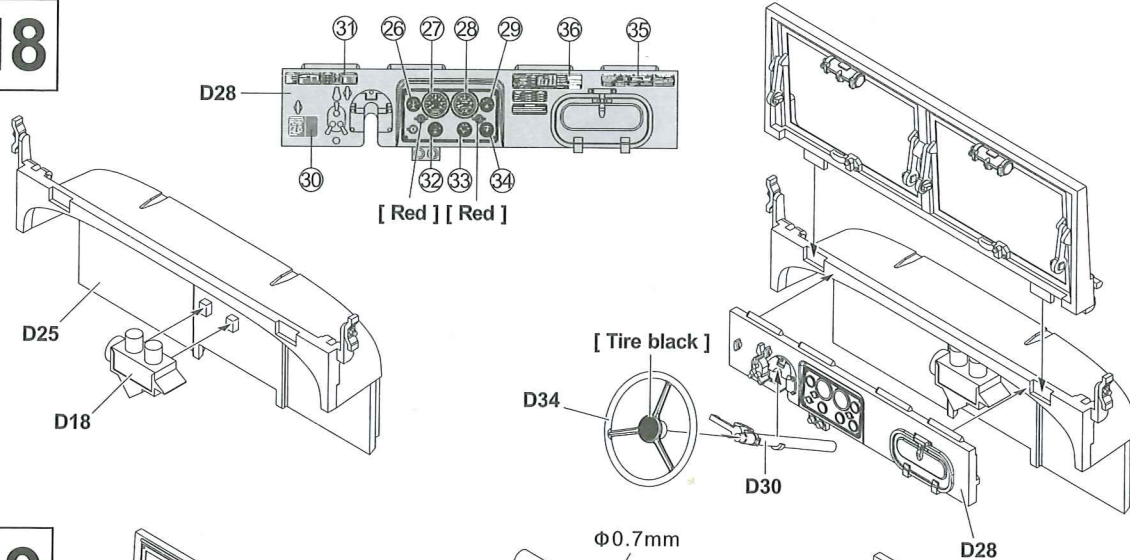
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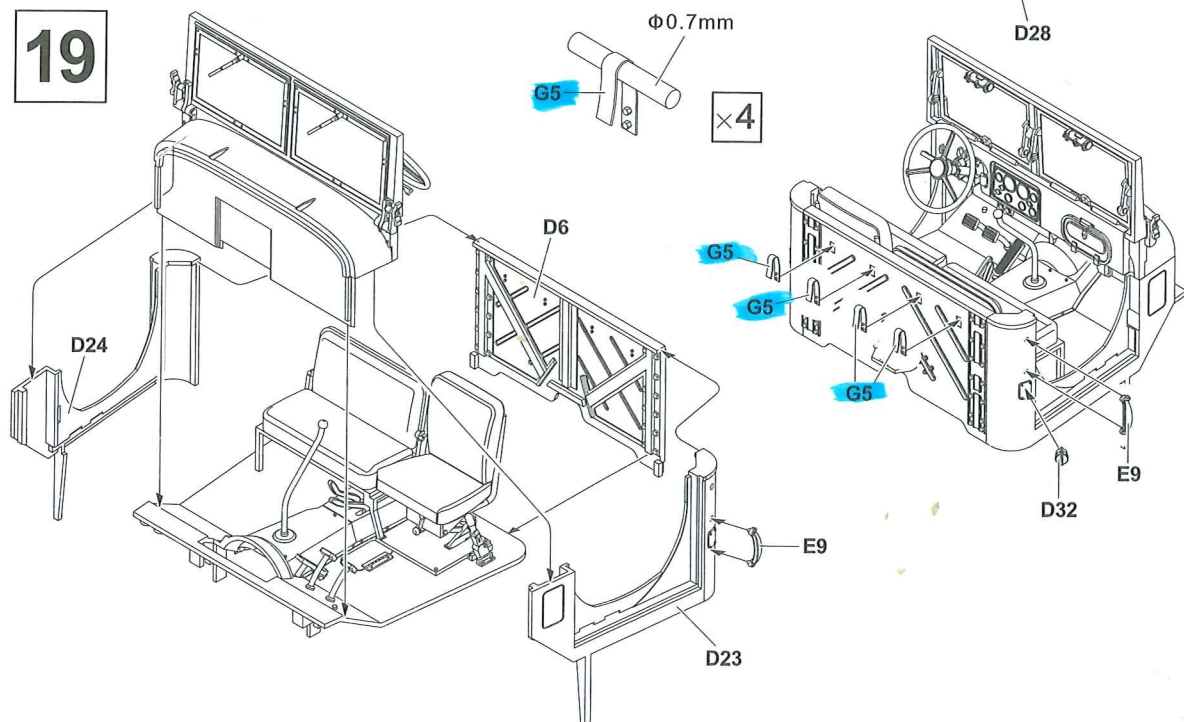
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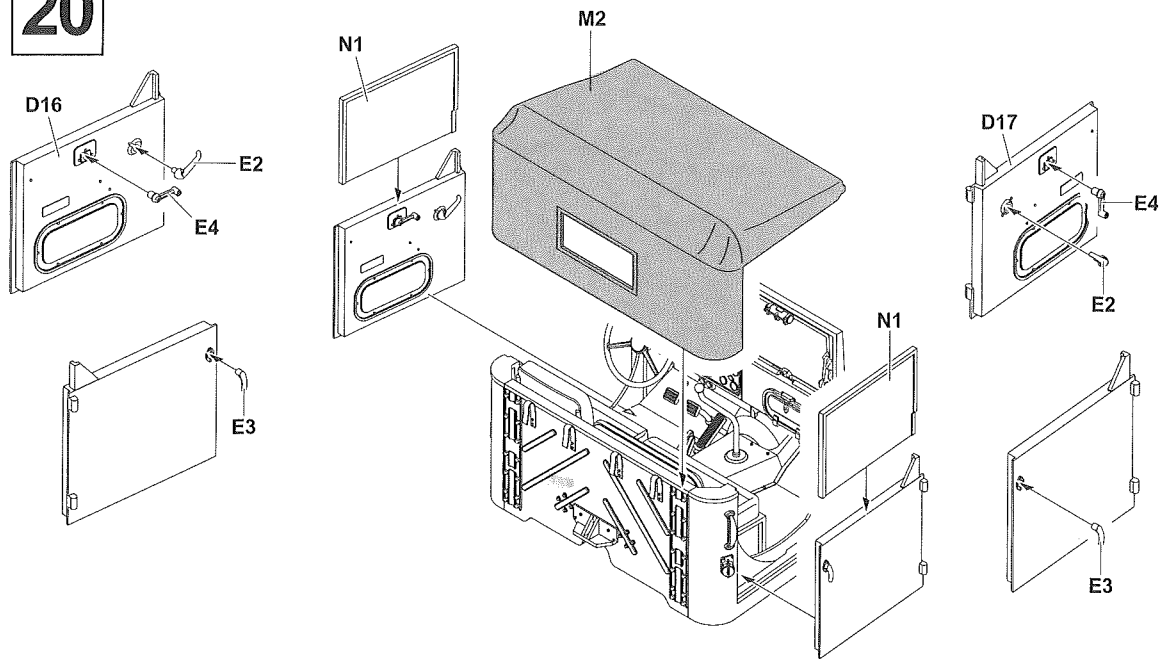
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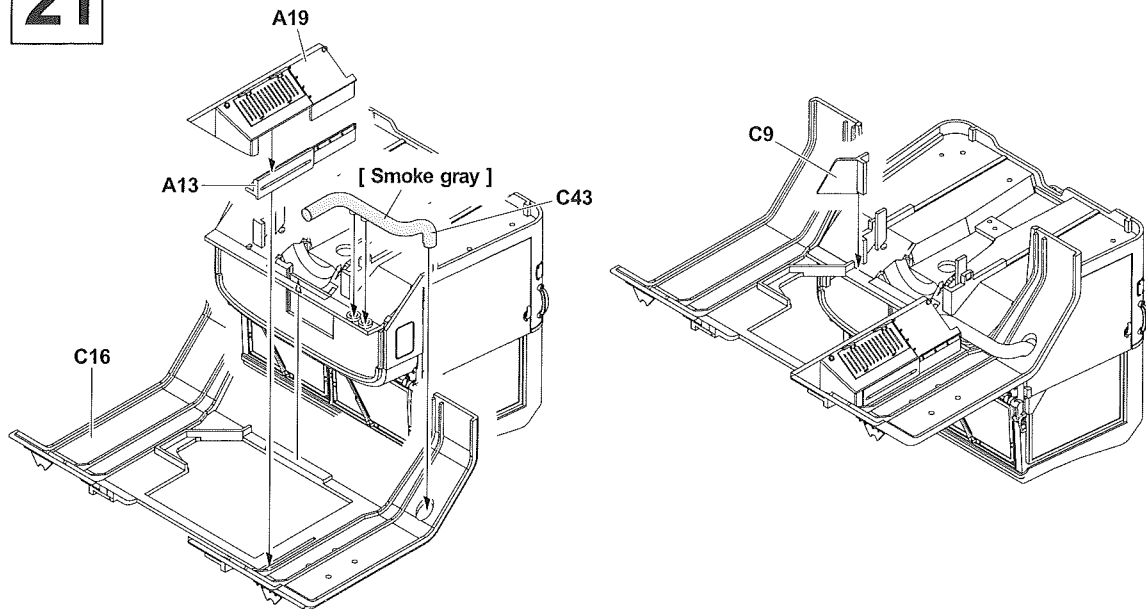
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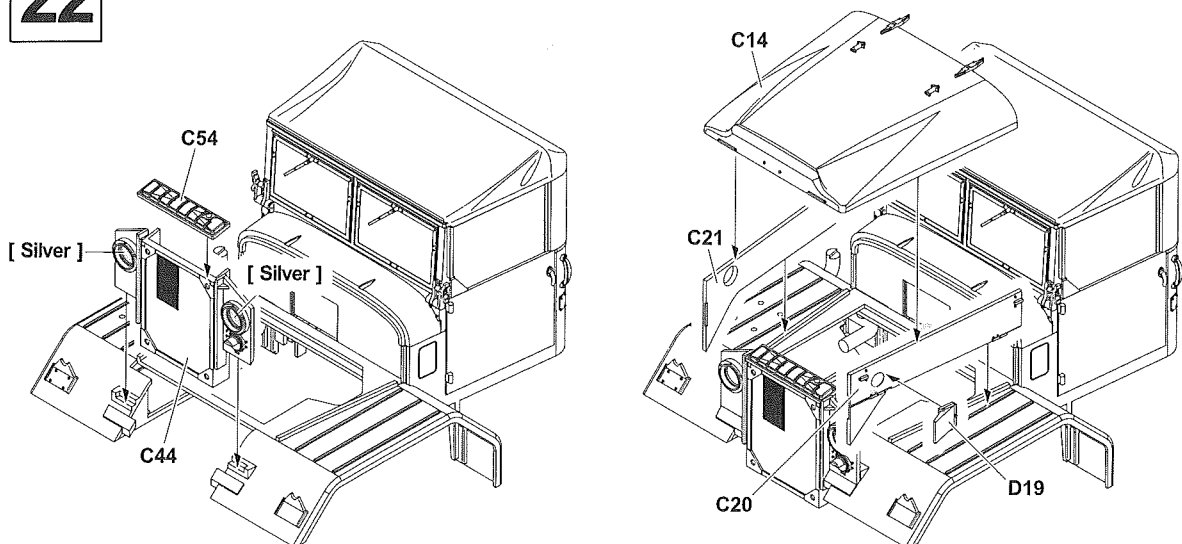
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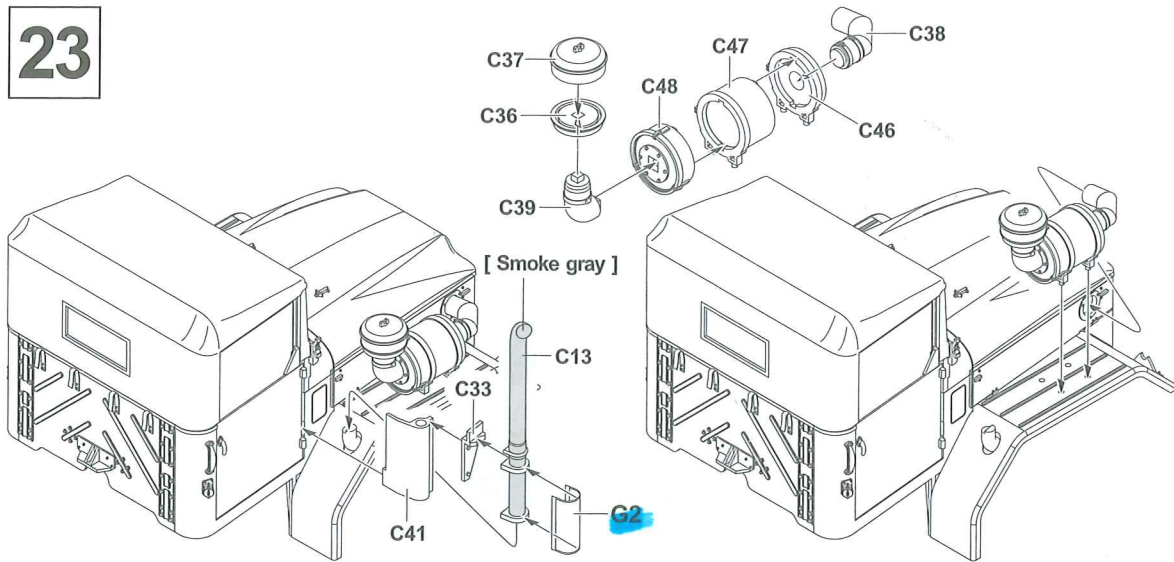
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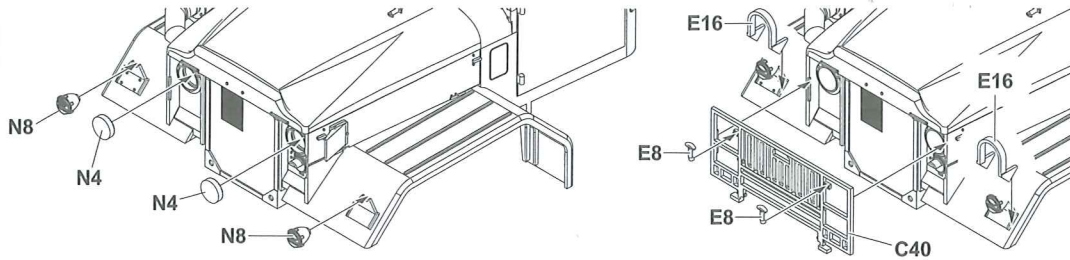
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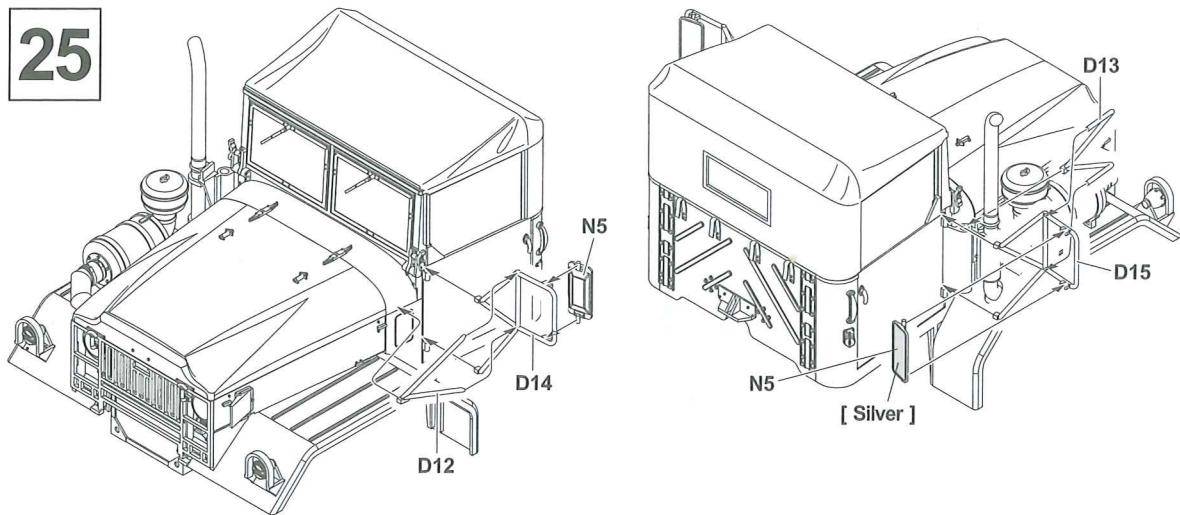
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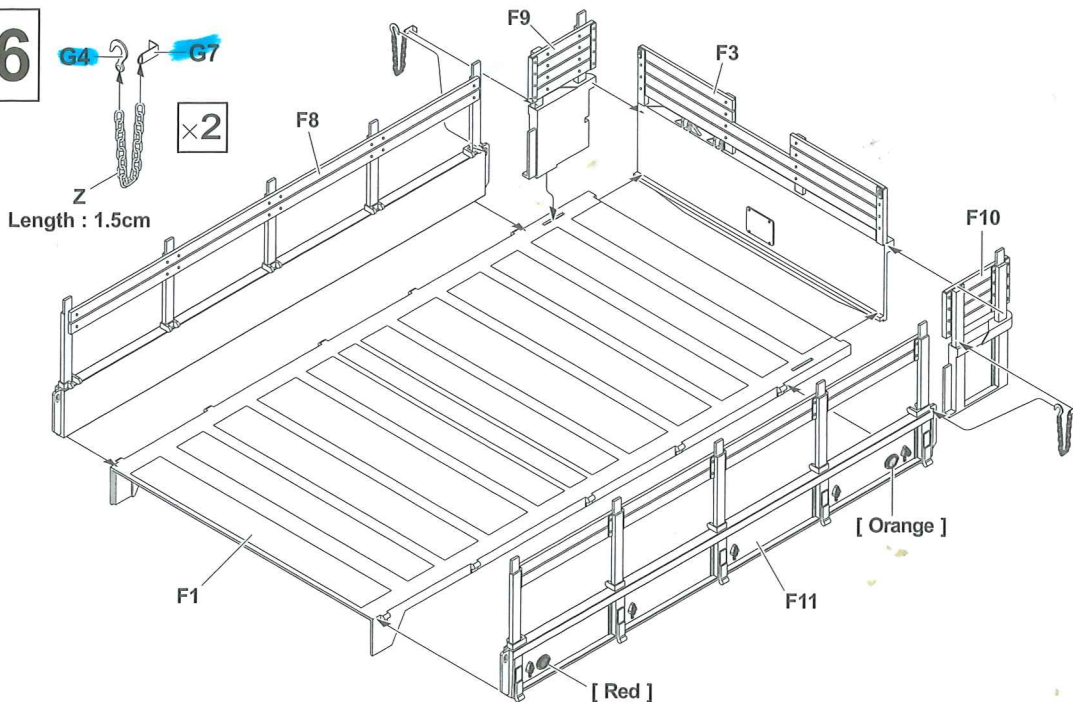
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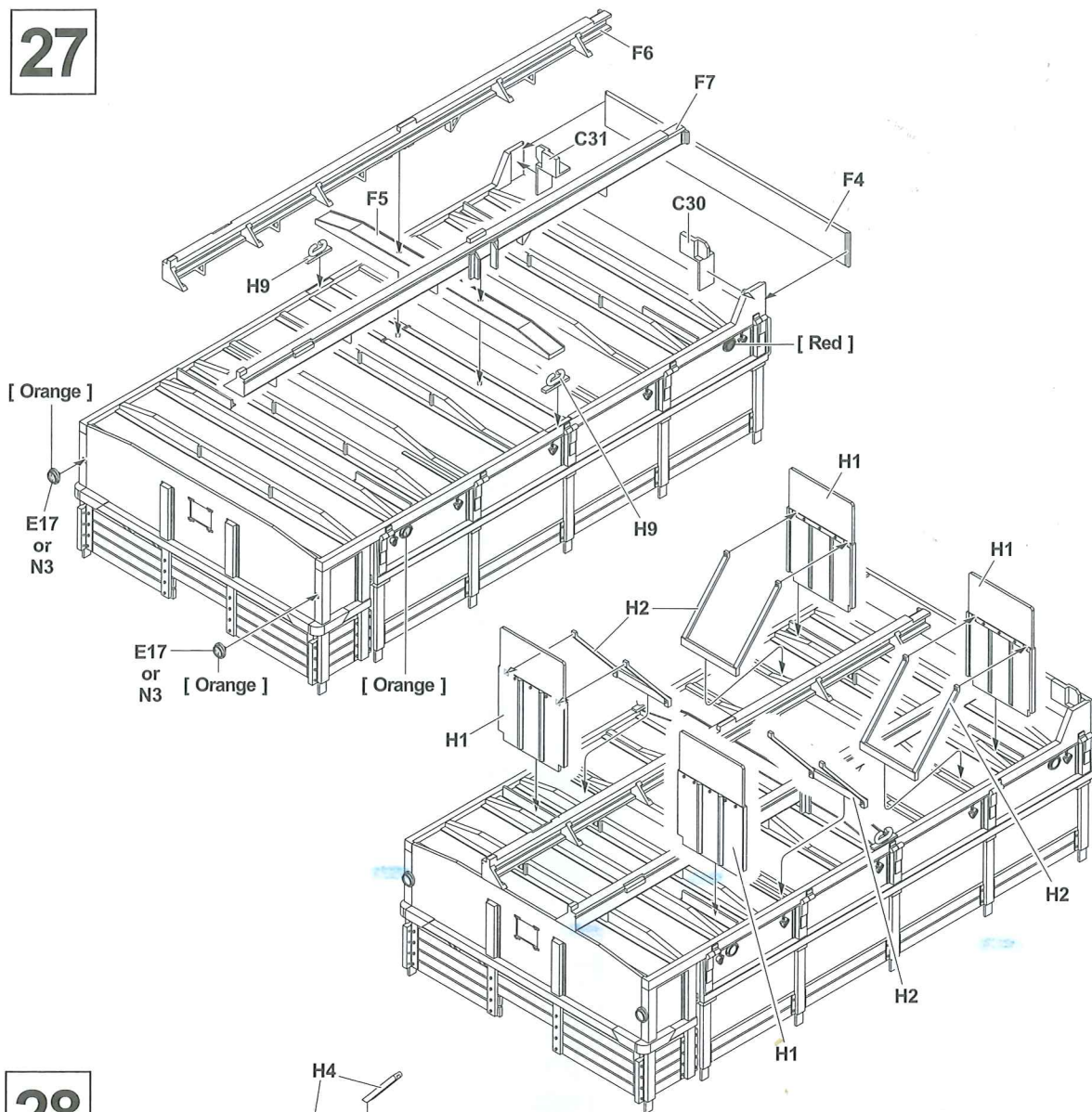
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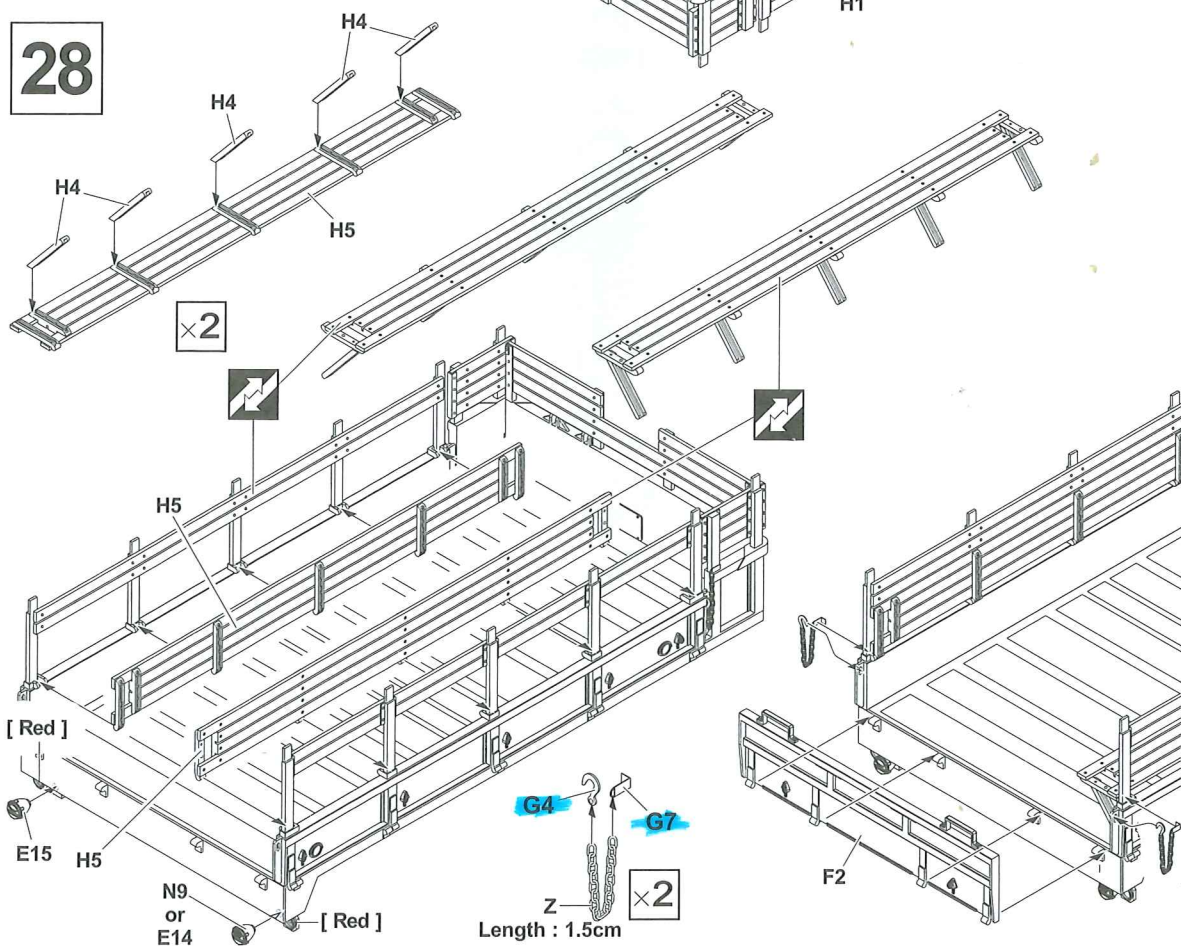
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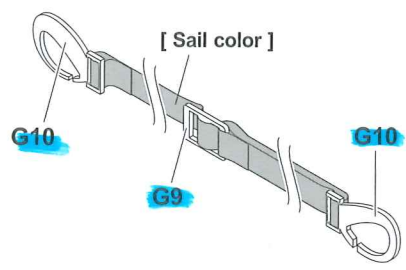
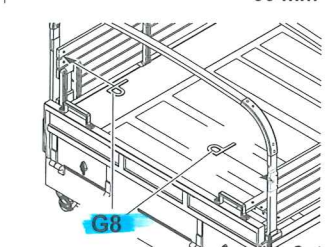
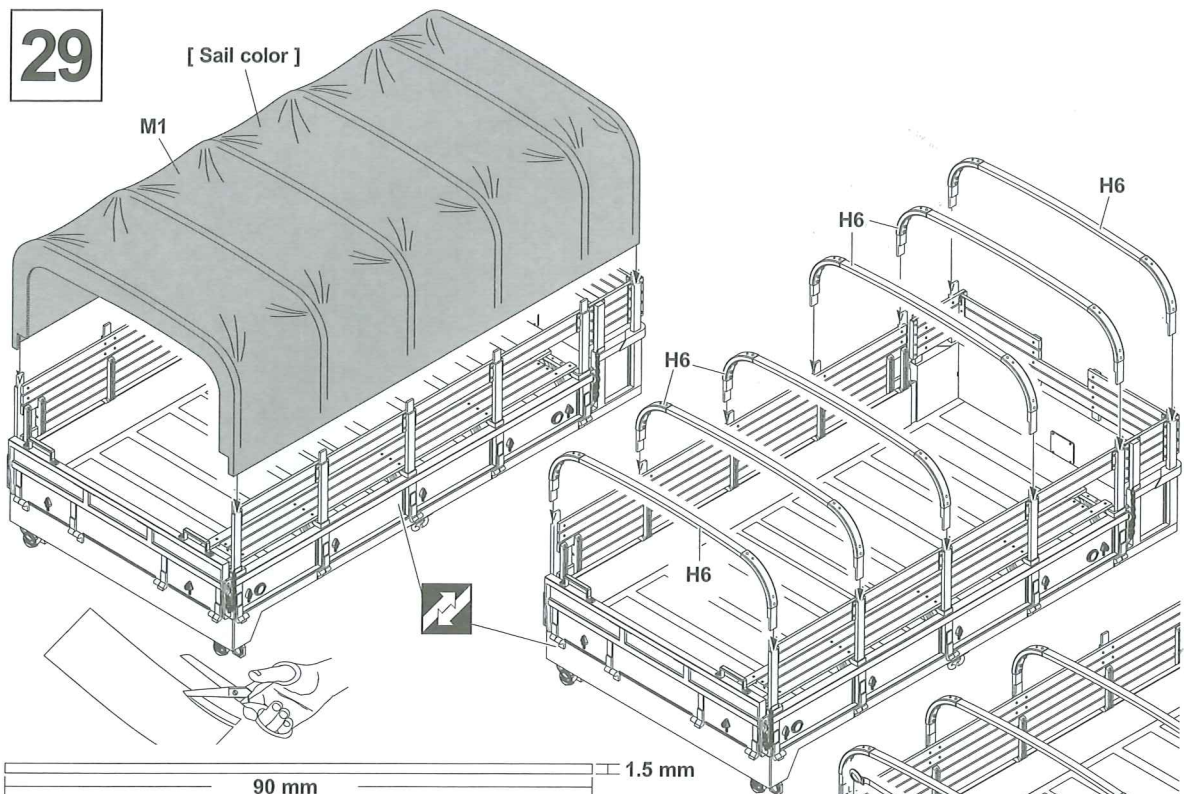
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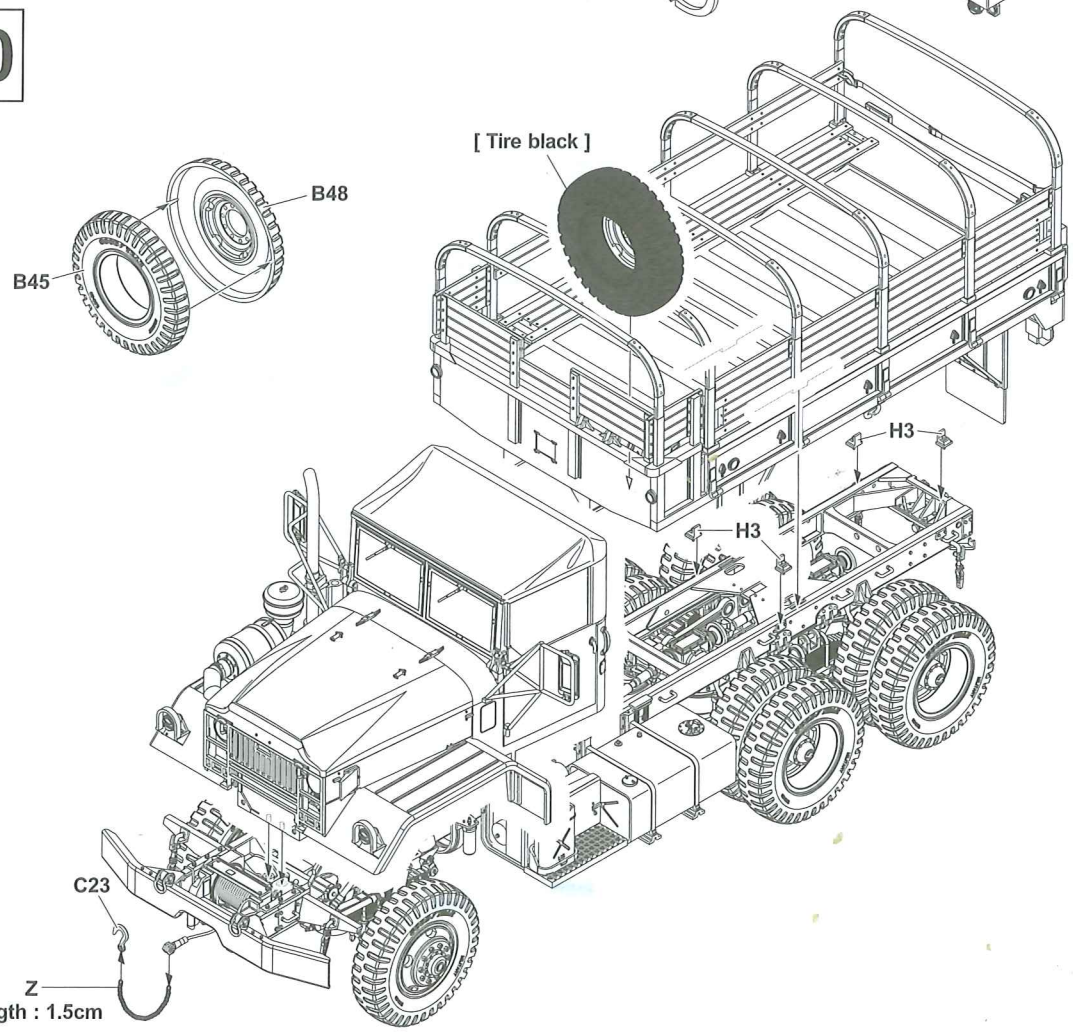
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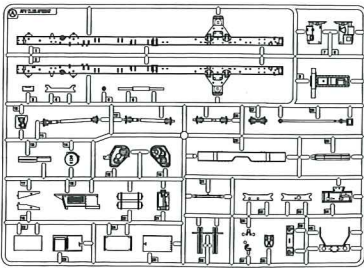
30



PARTS LIST 零件表

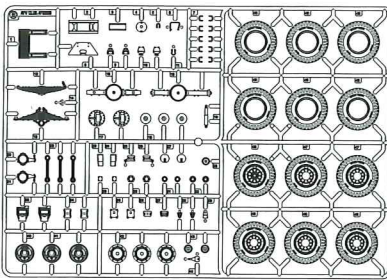
A)X1

AF 35300



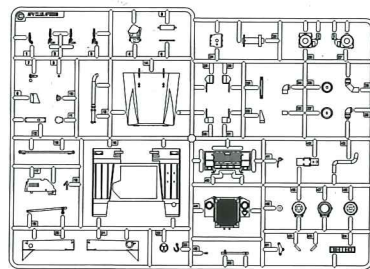
B)X2

AF 35300



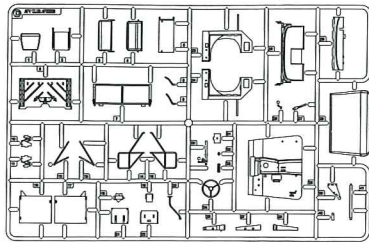
C)X1

AF 35300



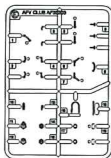
D)X1

AF 35300



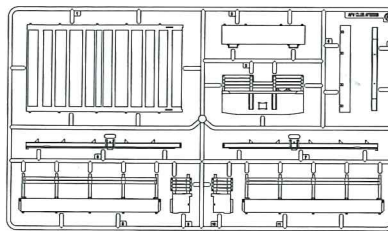
E)X2

AF 35300



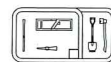
F)X1

AF 35300



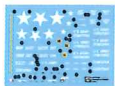
F)X1

AF 35S15



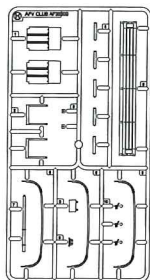
J)X1

AF 35300



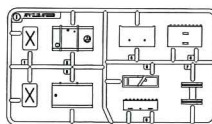
H)X2

AF 35300



I)X1

AF 35300



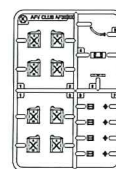
G)X1

AF 35300



K)X1

AF 35300



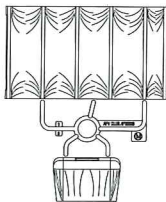
I)X1

AF 35S15



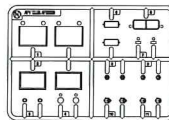
M)X1

AF 35300



N)X1

AF 35300



Z)X1

AF 35304



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.



AF 35300

Parts Replacement Form

- | | |
|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> AF 35300-A | <input type="checkbox"/> AF 35300-H |
| <input type="checkbox"/> AF 35300-B | <input type="checkbox"/> AF 35300-I |
| <input type="checkbox"/> AF 35300-C | <input type="checkbox"/> AF 35S15-I |
| <input type="checkbox"/> AF 35300-D | <input type="checkbox"/> AF 35300-J |
| <input type="checkbox"/> AF 35300-E | <input type="checkbox"/> AF 35300-K |
| <input type="checkbox"/> AF 35300-F | <input type="checkbox"/> AF 35300-M |
| <input type="checkbox"/> AF 35S15-F | <input type="checkbox"/> AF 35300-N |
| <input type="checkbox"/> AF 35300-G | <input type="checkbox"/> AF 35304-Z |

Reason for replacement: Missing

Broken

Signature: _____

限臺灣地區使用 For Taiwanese use only!



AF 35300

零件補充申請表

申請人
姓名 地址 電話

- | | |
|-------------------------------------|----------|
| <input type="checkbox"/> AF 35300-A | NT\$ 200 |
| <input type="checkbox"/> AF 35300-B | NT\$ 360 |
| <input type="checkbox"/> AF 35300-C | NT\$ 180 |
| <input type="checkbox"/> AF 35300-D | NT\$ 180 |
| <input type="checkbox"/> AF 35300-E | NT\$ 200 |
| <input type="checkbox"/> AF 35300-F | NT\$ 150 |
| <input type="checkbox"/> AF 35S15-F | NT\$ 40 |
| <input type="checkbox"/> AF 35300-G | NT\$ 280 |
| <input type="checkbox"/> AF 35300-H | NT\$ 240 |
| <input type="checkbox"/> AF 35300-I | NT\$ 120 |
| <input type="checkbox"/> AF 35S15-I | NT\$ 40 |
| <input type="checkbox"/> AF 35300-J | NT\$ 60 |
| <input type="checkbox"/> AF 35300-K | NT\$ 120 |
| <input type="checkbox"/> AF 35300-M | NT\$ 150 |
| <input type="checkbox"/> AF 35300-N | NT\$ 120 |
| <input type="checkbox"/> AF 35304-Z | NT\$ 100 |

+郵寄費 _____ NT\$ 80
(請填)總計NT\$ _____

零件補充原因:(請於 打)

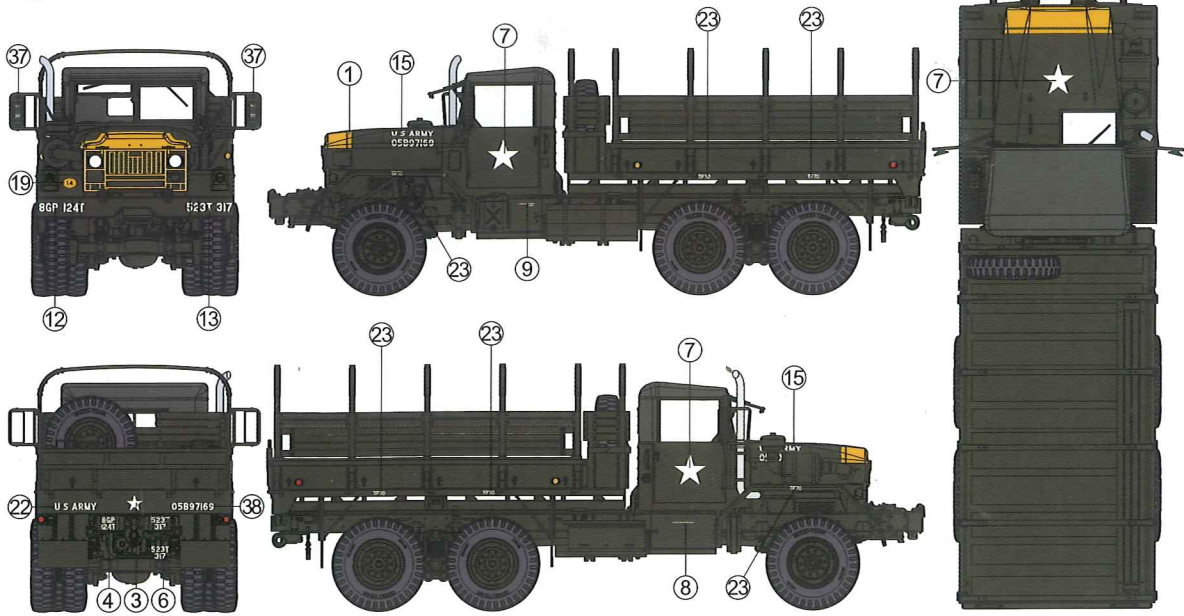
原包裝即 遺失或 毀損,

製作途中 遺失或 毀損,

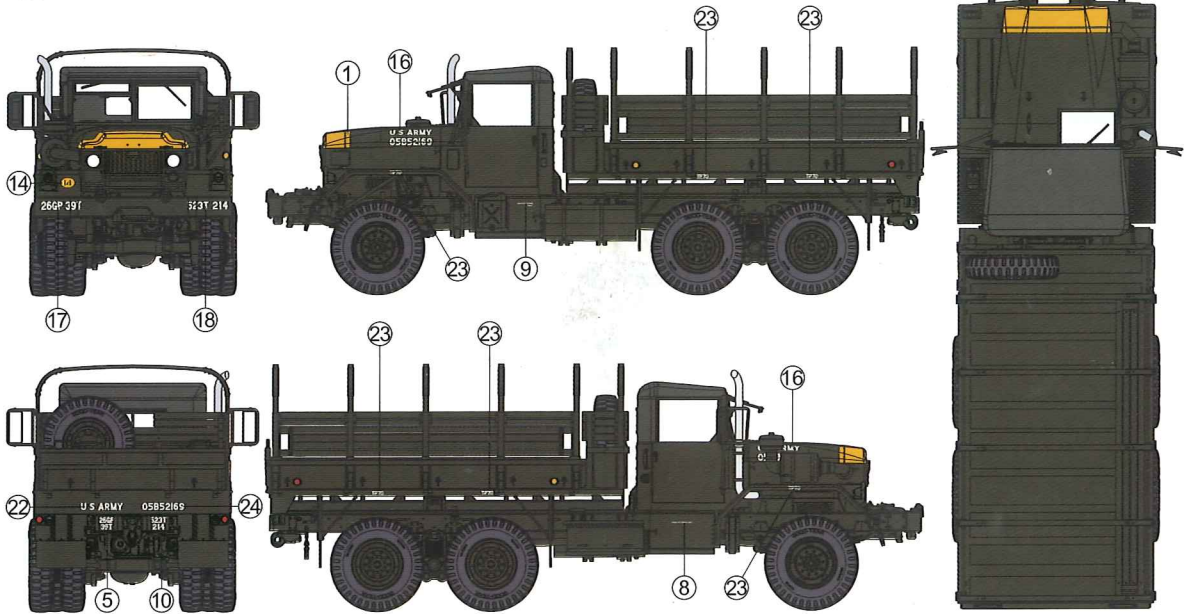
其他原因 _____

總代理戰鷹企業有限公司收本公司將儘速為您處理。
請將本表與該部品相同金額之郵政匯票一同寄至

(A) Body Color: Olive drab(2) Orange yellow



(B) Body Color: Olive drab(2) Orange yellow



(C) Body Color: Olive drab(2) Orange yellow

