

ACADEMY

HOBBY MODEL KITS

## M151A2 TOW MISSILE LAUNCHER



13406

1/35th M151A2 토우미사일차량

In 1951, the Ford Motor Company was given a contract a MUTT(Military Utility Tactical Truck) to replace the WWII era MB Jeep and it's descendant of the M38. This new 1/4 ton 4WD vehicle would introduce new technologies such as a Uni-body Chassis and all wheel independent suspension system to the jeep type vehicle. In 1960, the first production contract was signed to produce over 10,000 units, and it would be used by whole U.S army and many other foreign military forces. The production of the M151 was not continued for a long time. It is because M151 had a serious problem with the suspension that made the M151 unstable and give a possibility to roll-over in the tight cornering situation. In order to provide the infantry with heavier fire-power, US and many other countries mounted recoilless rifle and missile system in the small trucks and APCs. In the 1960's, Hughes Aircraft Company developed the BGM-77A or TOW(Tube launched, Optically tracked, Wire guided)missile system to replace earlier generation weapons. This system was designed as a Heavy Anti-Tank Weapon to engage targets at range from 62m to 3700m. This Heavy Anti-Tank Weapon doubled the fire-power of the M40A2 106mm recoilless rifle. The mounting system of the M232E1 1/4 ton consisted of the launcher and M220 Optical Tracking System mounted on a fixed pedestal with a control box secured to the floor next to it. The M151 also carried two spare missiles and a tripod mount that allowed the launcher and tracking system to be deployed at some distant from the vehicle.

1951 erhielt die Ford Motor Company den Auftrag zur Entwicklung eines Nachfolgers für die veralteten MB/GPW, M38 und M38A1 (Jeep). Nach diversen Prototypen entschied sich das Army Ordnance Truck Automotive Command für ein Fahrzeug mit selbsttragender Ganzstahlkarosserie, Einzelradaufhängung v/h, 24 Volt wasserdichter Elektrik, Zwei- bzw. Allradantrieb und Vierganggetriebe. Im Jahre 1960 wurde der erste Produktionsauftrag an Ford vergeben und das Fahrzeug erhielt die Bezeichnung M151, 1/4ton, 4x4 utility truck. 1963/1964 erschien eine überarbeitete Version mit einer verstärkten hinteren Radaufhängung. Diese war Aufgrund von Problemen bei erhöhter Zuladung nötig geworden. Der geänderte Typ wurde M151A1 genannt. Die Produktion wurde von 1964 bis 1969 fortgesetzt, zuerst bei Ford und Willys, später dann auch bei Kaiser, AMC, AM General. Wegen seiner hinteren Pendelachse hatten die M151 und M151A1 die Tendenz zum Übersteuern und bei zu aggressiver Kurvenfahrt sogar zum Überschlagen. Daher wurden an die Truppen Warnungen und Hinweise ausgegeben. Ab 1970 wurde darum der verbesserte M151A2 ausgeliefert. Um die Infanterie mit einer höheren Feuerkraft zu versehen, rüstete man die Fahrzeuge auch mit rückstossfreien 106mm Geschützen (ACADEMY 13003) oder mit TOW Raketenwerfern aus. Die TOWs waren optisch über einen Draht lenkbar und stellten eine höchst wirksame Panzerabwehrwaffe bis zu 3700m Reichweite dar. Die TOW MUTTs hatten zwei Ersatzraketen an Bord sowie einen Dreibein Ständer zum Einsatz der Waffe außerhalb des Fahrzeuges.

M151A2 군 다용도 전술트럭(Military Utility Tactical Truck)은 1970년대부터 생산이 시작 되었으며, M151A1에서 문제가 되었던 후륜 서스펜션의 개량이 이루어졌다. M151A2는 외관상으로는 전륜의 휠더 에 대형 지시등의 설치와 방풍의 형상 등의 차이점을 보이며, M151A2는 사용목적에 맞게 여러 형식의 차량으로 개조, 운용 되었다. M151A2 TOW 미사일 발사 차량은 M825로 부르기도 하며, TOW 발사차량에 4명의 병력과 예비탄두 운반차량에 2명의 병력이 탑승하여 행동한다. TOW(Tube-launched Optically-tracked Wire-guided)시스템은 1960년대 중반까지 쓰이던 M40 106mm무반동총을 대신해 개발된 소형 전술 미사일로 가볍고 취급이 간단하며, 높은 명중률을 특징으로 한다. TOW는 삼각대, 선회대, 발사튜브, 광학 조준기, 유도용 컴퓨터의 5가지로 구성되어 있으며 모든 장비는 분해, 결합이 용이한 조립식으로 이루어져있어 휴대가 간편한 장점이 있다. TOW시스템은 M151과 같은 1/4t 차량에 탑재가 가능하며, 가장 강력한 대전차 화기로 평가 되고 있다.



# <READ THIS BEFORE YOU BEGIN>

- Study the instructions before assembling.
- Check the fit of each piece before cementing into place.
- Do not use too much cement to join parts.
- Never use cement or paint near open flame.
- Open a window or make area well ventilated when cement or paint is in use.
- Tear up and throw away the empty plastic bags to avoid danger of suffocation for little children.

# <ALLGEMEINE HINWEISE>

- Die Anordnung der Bauteile ist aus den Zeichnungen der Anleitung ersichtlich.
- Die Teile vor dem Verkleben ungeleimt zusammenhalten, um ihren paßsitz zu prüfen.
- Klebstoff nicht zu dick auftragen.
- Klebstoff und Farben niemals in der Nähe einer Flamme verwenden.
- Während der Bemalung mit Spritzpistole oder Pinsel für frische Luftzufuhr, z.B. öffnen des Fensters, sorgen.
- Bausatz von kleinen Kindern fernhalten. Verhüten Sie, daß Kinder irgendwelche Bauteile in den Mund nehmen oder Plastküten über den Kopf ziehen.



# <READ THIS BEFORE YOU BEGIN>

# <ALLGEMEINE HINWEISE>

# <LISEZ CE QUI SUIT AVANT DE COMMENCER LE MONTAGE>

# <組み立てる前に>

# <조립하기 전에 먼저 읽어 주십시오>

# <LISEZ CE QUI SUIT AVANT DE COMMENCER LE MONTAGE>

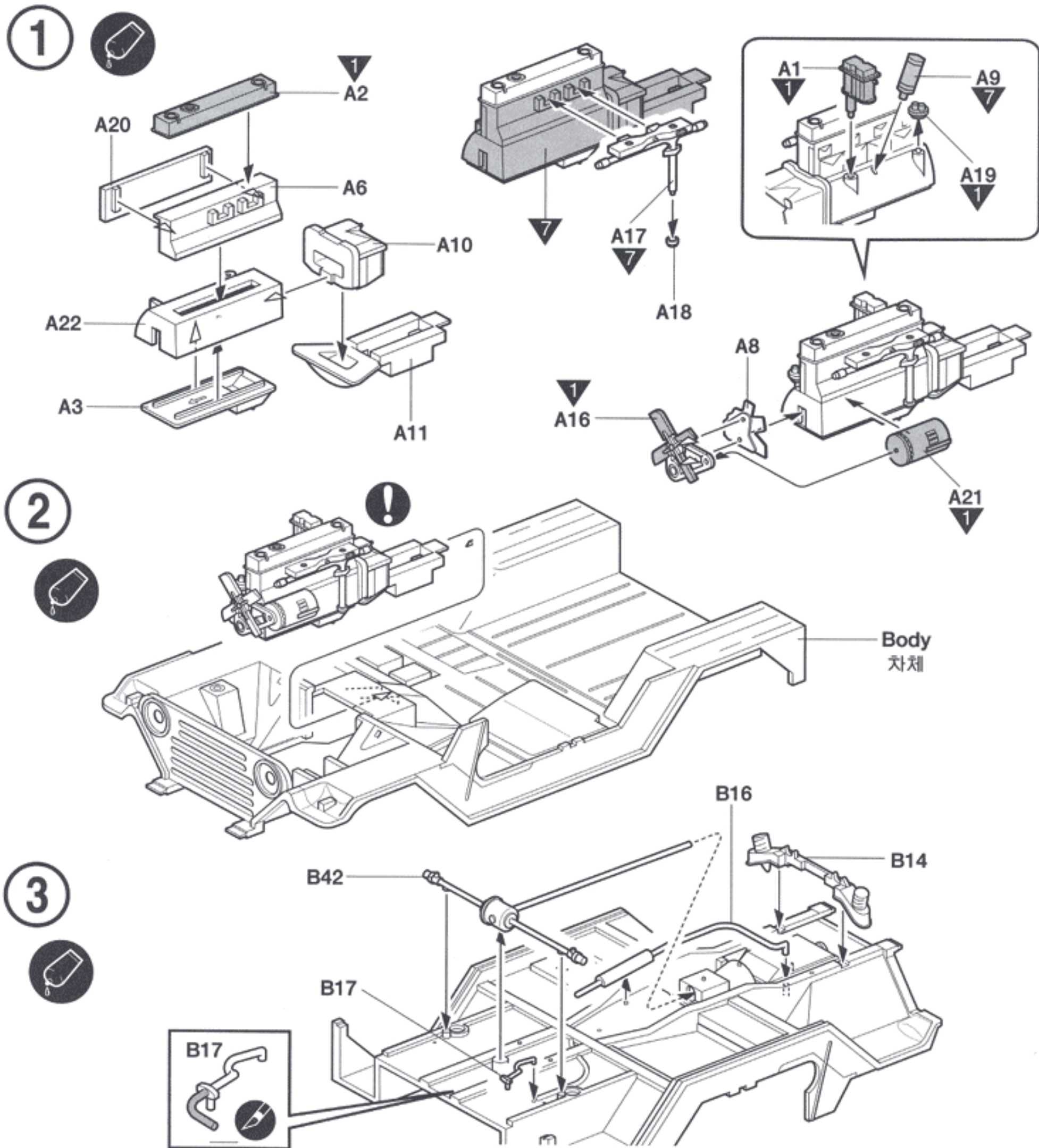
- Etudier les schémas d'assemblage.
- Contrôler que chaque pièce soit bien conforme avant de la coller à sa place.
- N'utilisez pas trop de colle pour réunir les pièces.
- Ne faites jamais manipuler la colle ou peinture à proximité d'une flamme.
- Aérer soigneusement la pièce où vous peignez (ouvrir la fenêtre).
- Après avoir sorti les pièces du sac en plastique, déchirer le sac afin d'éviter que les enfants ne le mettent sur la tête et ne s'étouffent.

# <組み立てる前に>

- 組み立てる前に説明書をお読み下さい。 - 部品をランナーから切り出す時は鋭利なニッパーとカッターを使用します。
- 接着剤を少しなめに使うことがきれいに仕上げるコツです。 - 組み立て後の部品やビニール袋は小さな子供の手の届かない安全な所に保管して下さい。
- 接着剤や塗料を使用する時はときどき窓を開けて換気に気をつけましょう。 - 接着する前に部品を合わせて確かめます。

# ■ 조립하기 전에

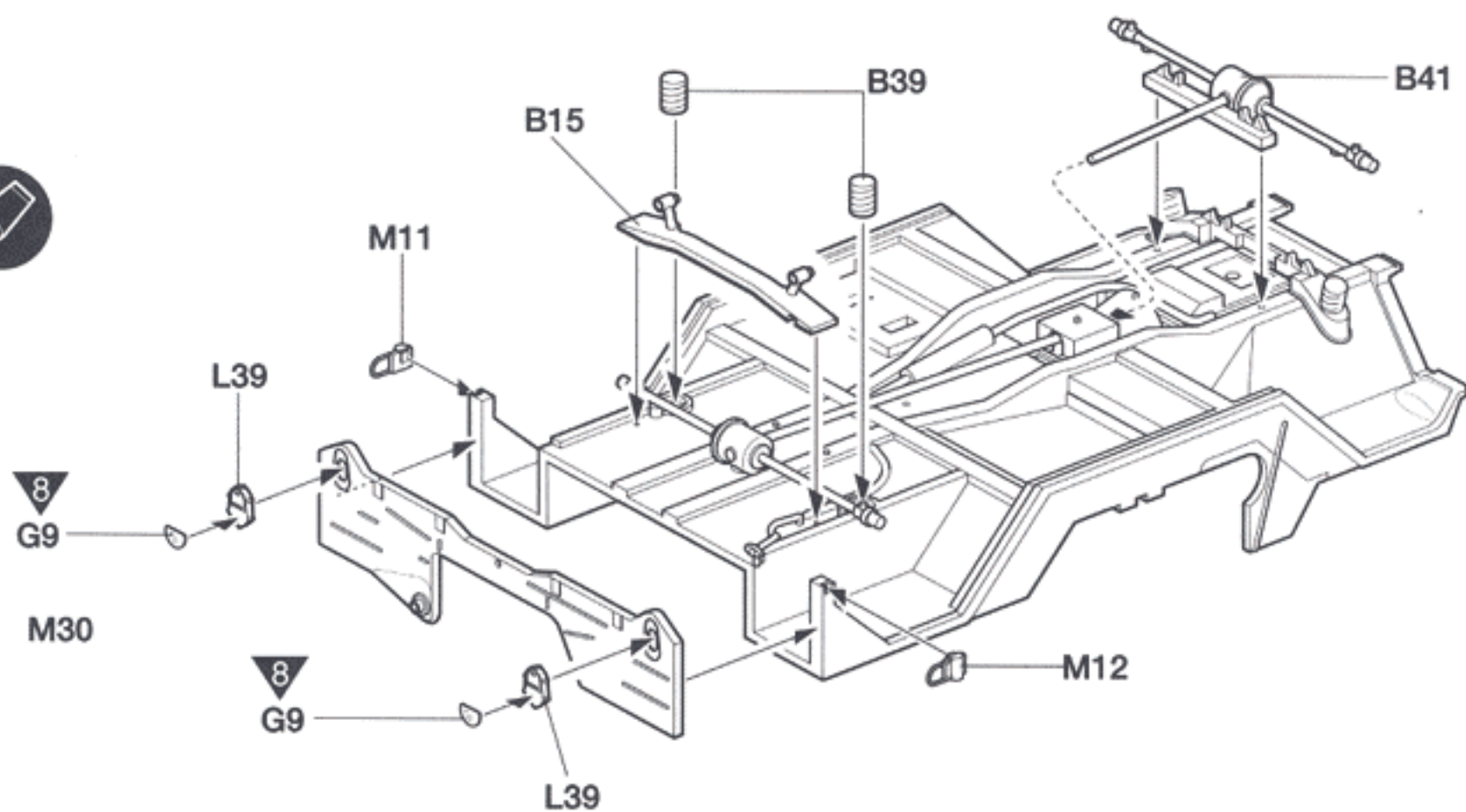
- 부품을 조립하기 전에 설명서를 잘 읽어본 후 조립한다. - 부품을 자를 때에는 칼이나 니퍼로 깨끗이 잘라낸다.
- 접착제를 사용할 곳에 사용하지 않는 곳에 주의하고 너무 많이 바르지 않도록 한다. - 접착하기 전에 부품을 맞추어 확인한 후 조립한다.
- 어린이들이나 전치예를 사용할 때는 창문을 열어 환기를 시키고 화기를 없앤다.
- 사용 후 남은 부품은 어린 아이들의 손에 닿지 않도록 잘 처리한다.



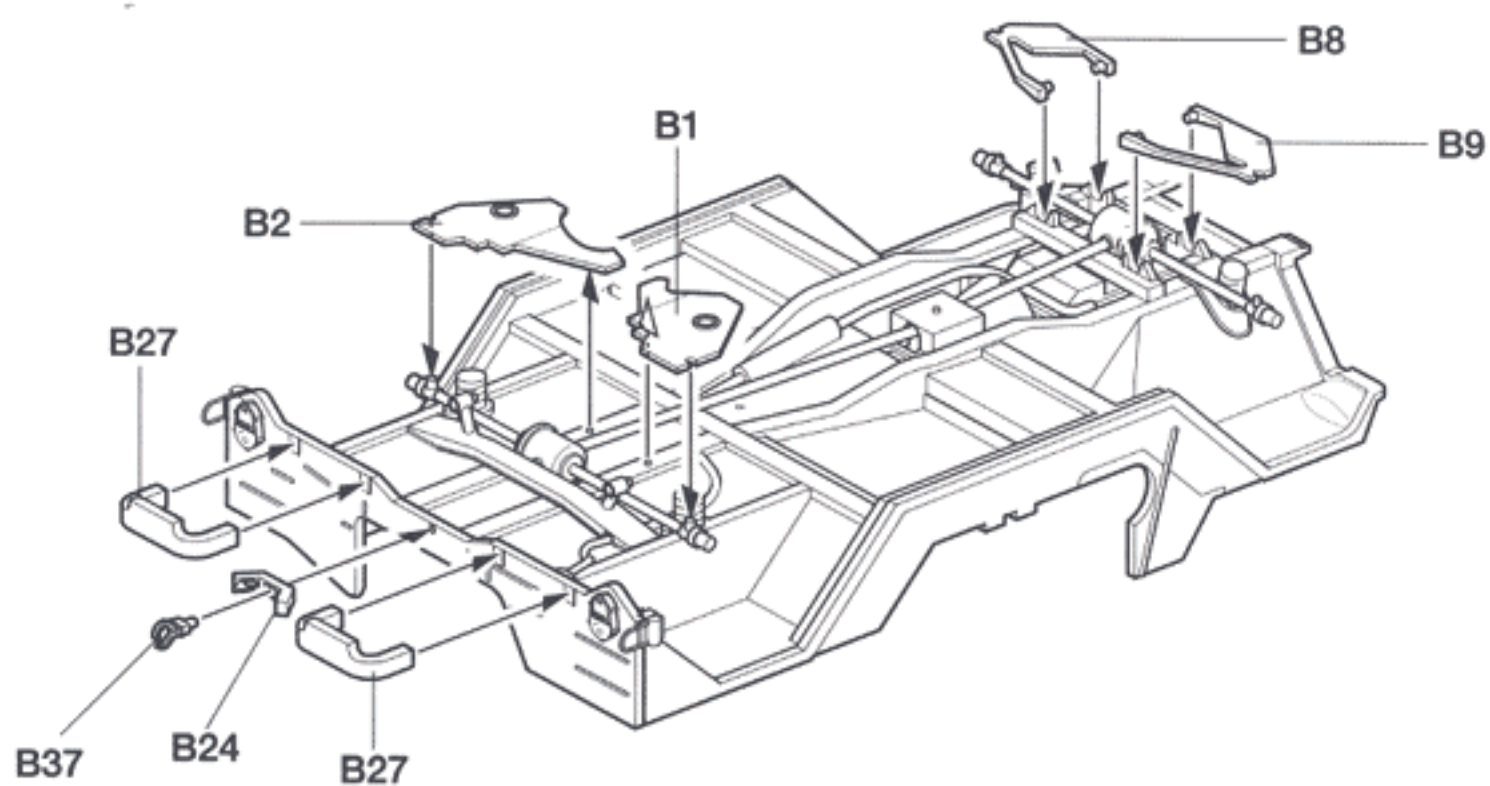
<p>점착한다. Cement parts Coller Kleben Pegar Incollare Collar Kleben</p>	<p>점착하지 않는다. Do not cement Ne pas coller nicht kleben No pegar Non incollare Non collare Niet kleven</p>	<p>3 수반을 조립한다. Repeat operation Répéter l'opération Vorgang wiederholen Repetir la operación Repetere Repetir a operação Herhalen</p>	<p>전사지를 붙인다. Decals Décalcomanies Abziehbild</p>	<p>9 무게수를 넣는다. Add weight Lester Gewicht</p>	<p>구멍이나 틈을 막는다. Use filter Mastiquer Schellen</p>
<p>잘라낸다. Cut away Couper Schneiden Cortar Tagliare Cortar Snijden</p>	<p>선택한다. Optional parts Choix Auswahlmöglichkeit Election Scelta Opcao Kreuz</p>	<p>반대측도 조립한다. Repeat for opposite side Répétition de la page Wiederholung für gegenüberliegende Seite</p>	<p>구멍을 뚫는다. Make hole Faire un trou Offnen</p>	<p>주의한다. Be careful Faire attention Hier Vorsicht</p>	<p>색칠 및 전사지 붙이기 번호 Painting scheme number Numeros de la lista de pinturas Lackierschemanummer</p>



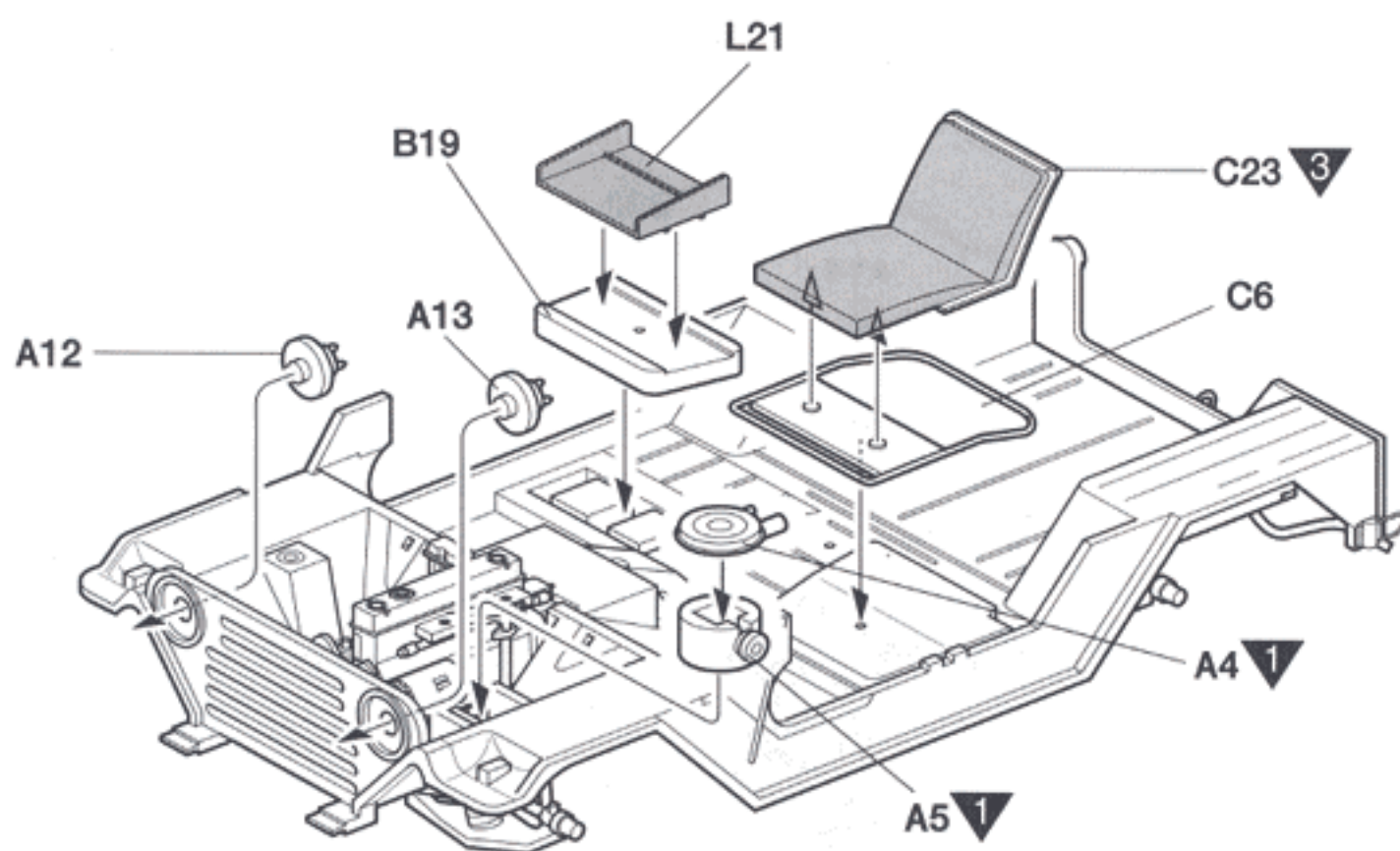
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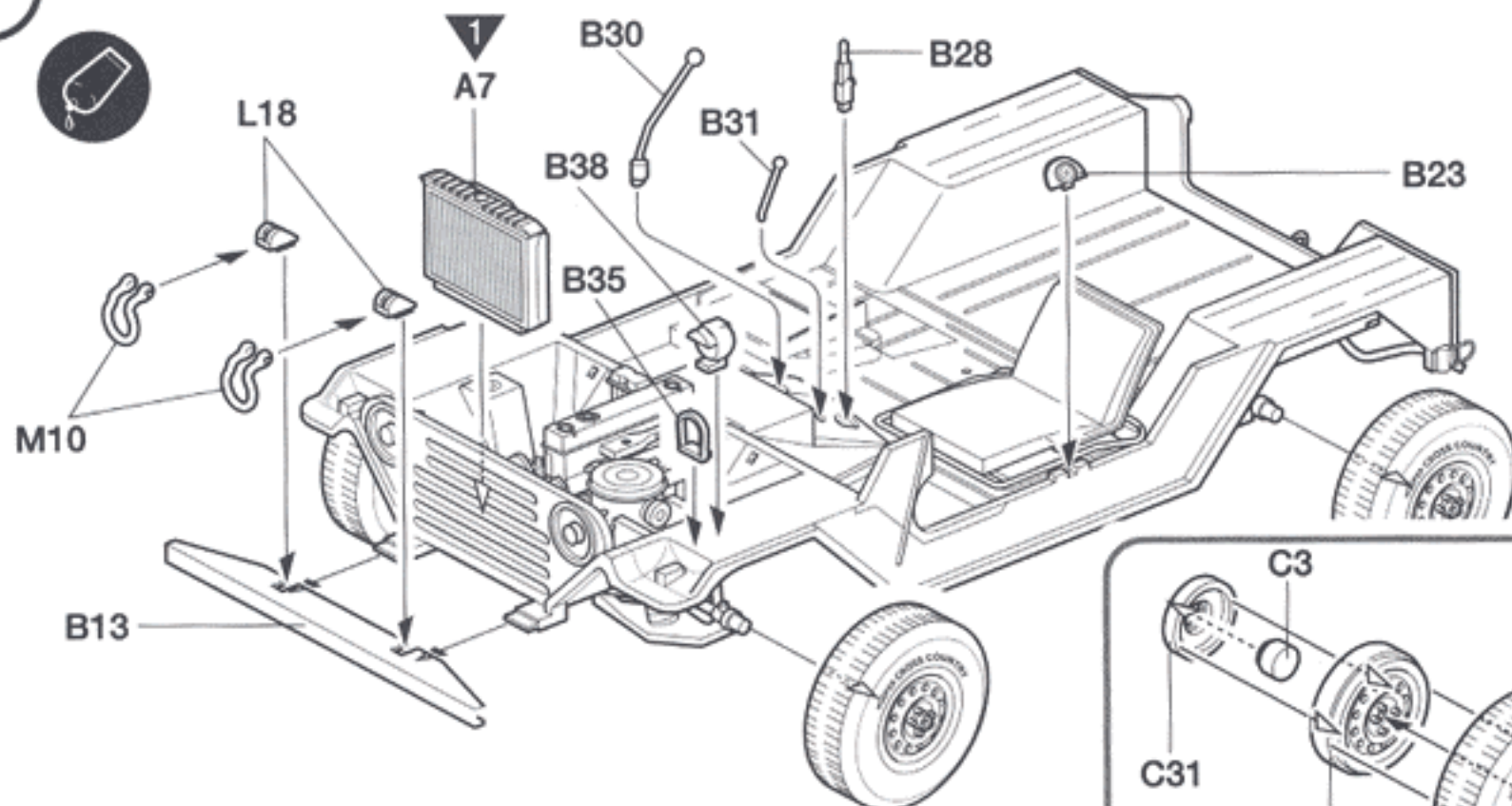


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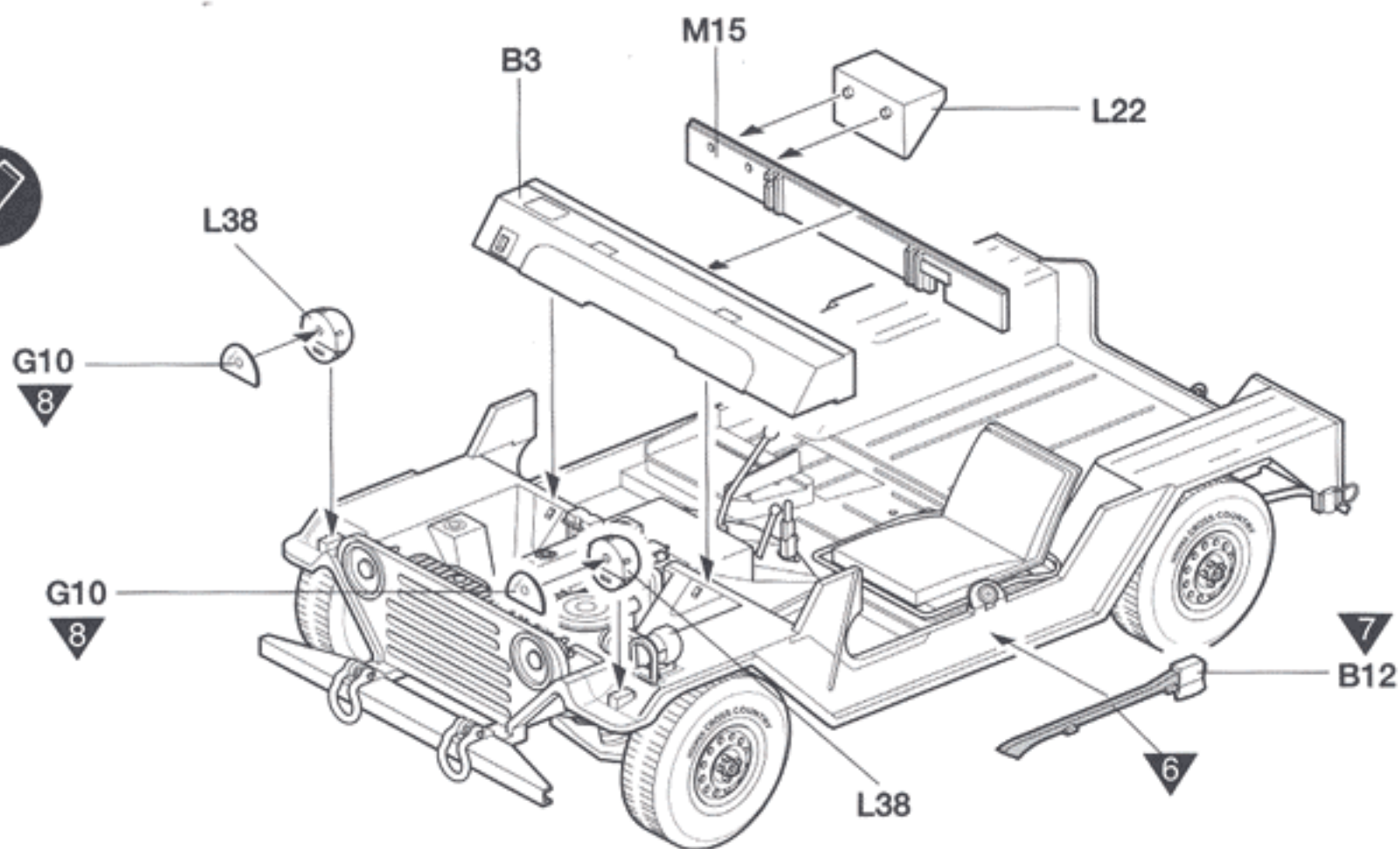




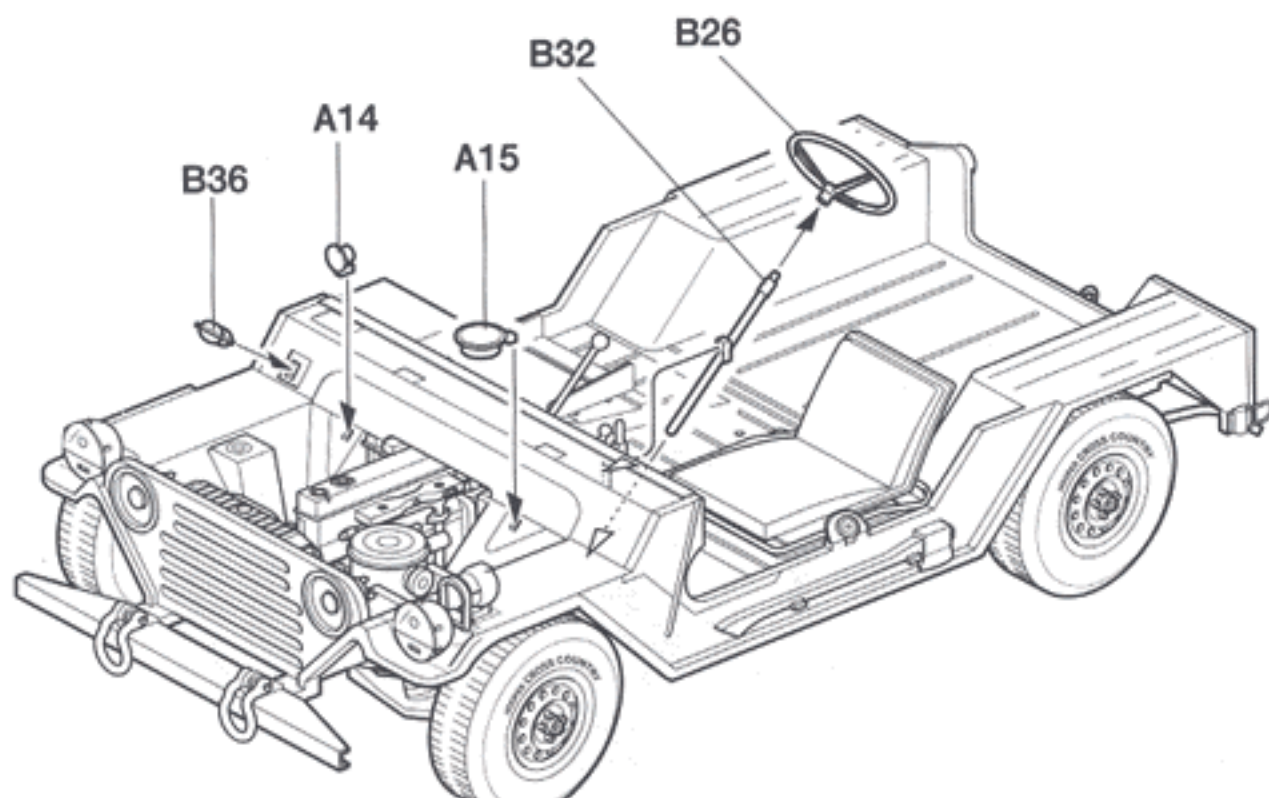
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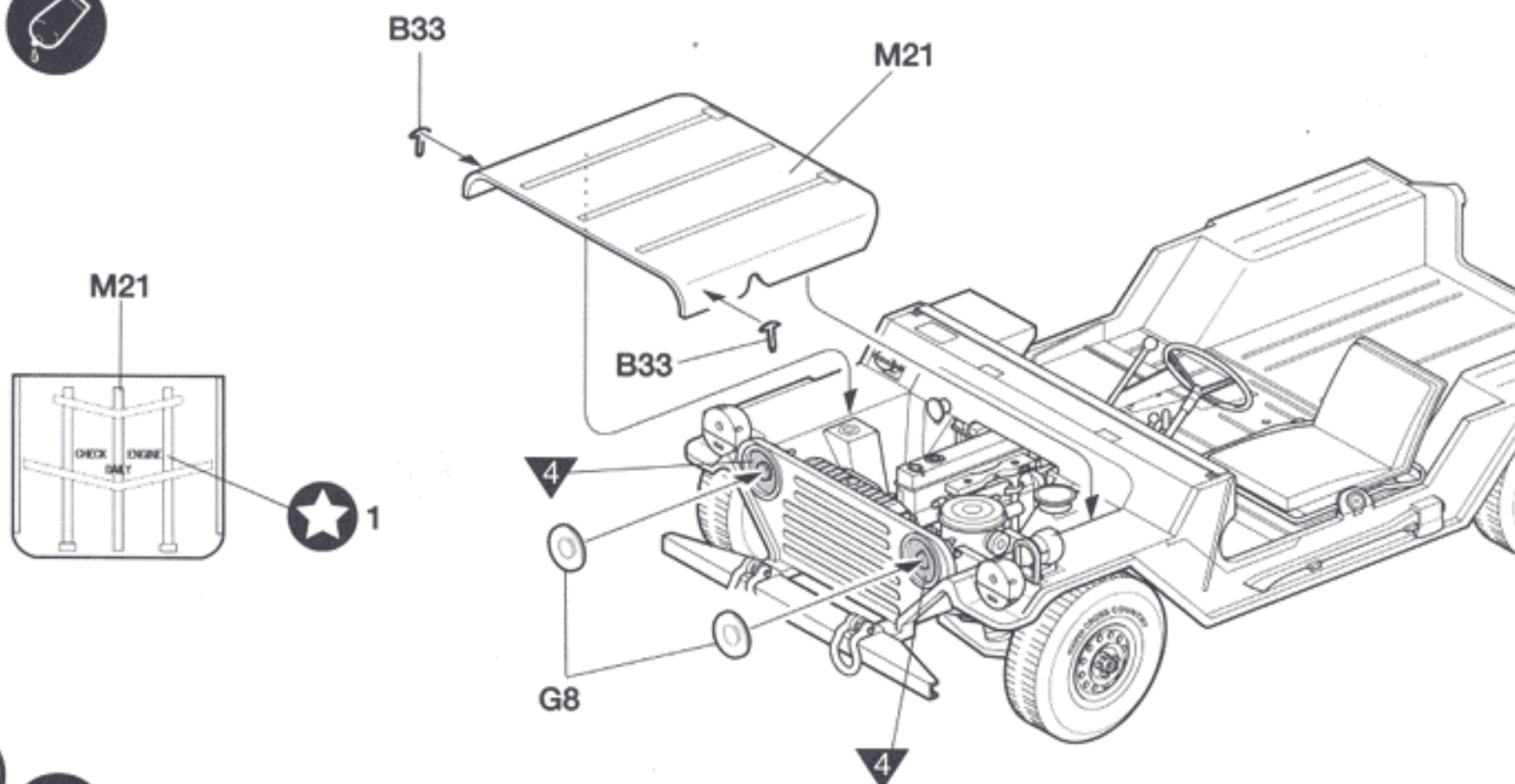


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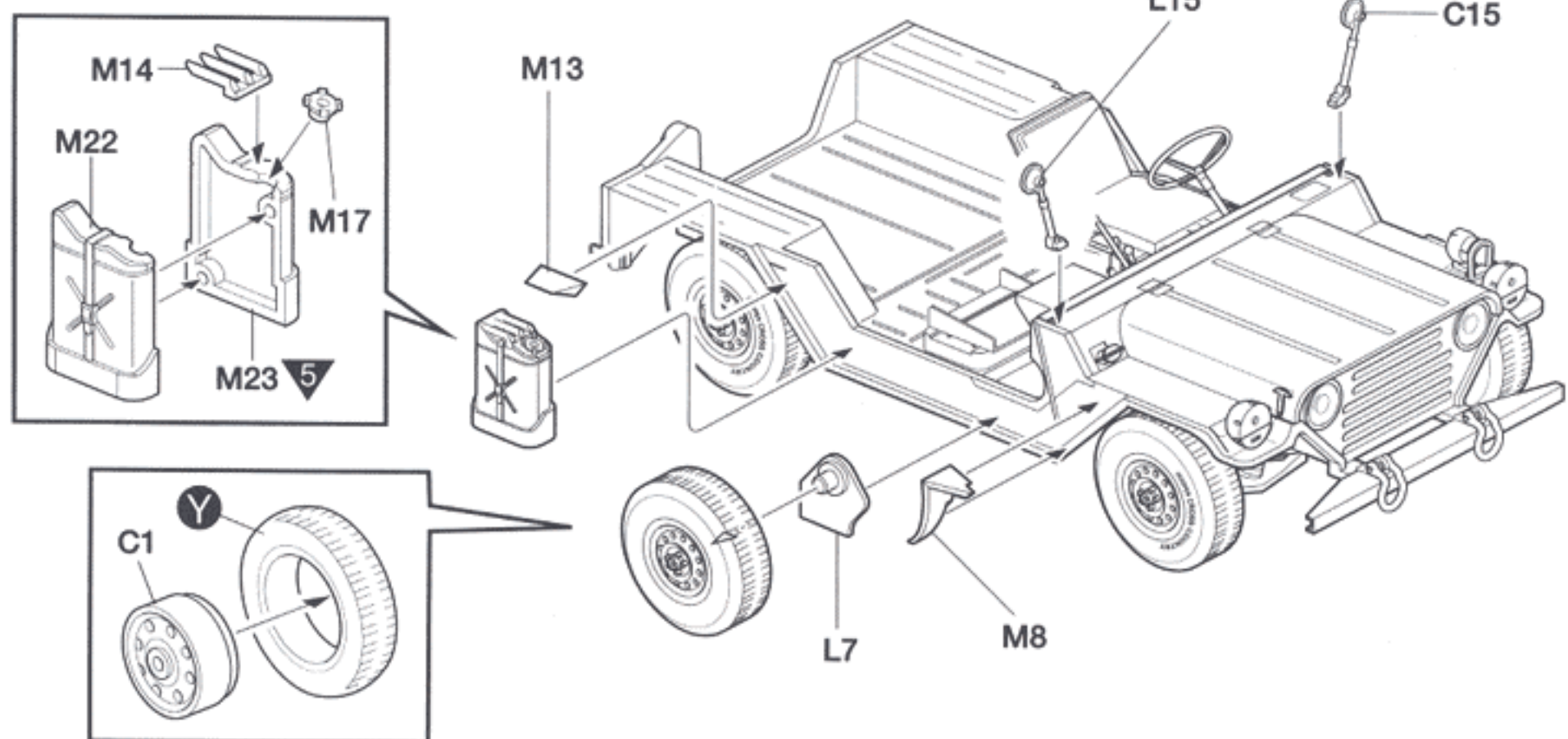




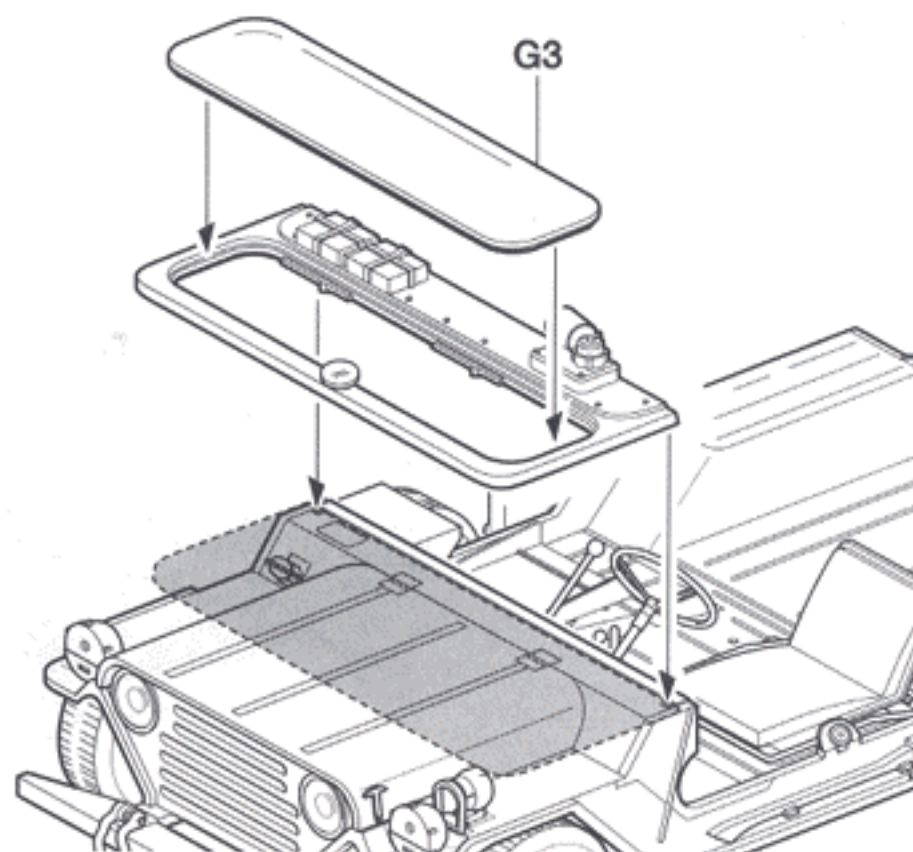
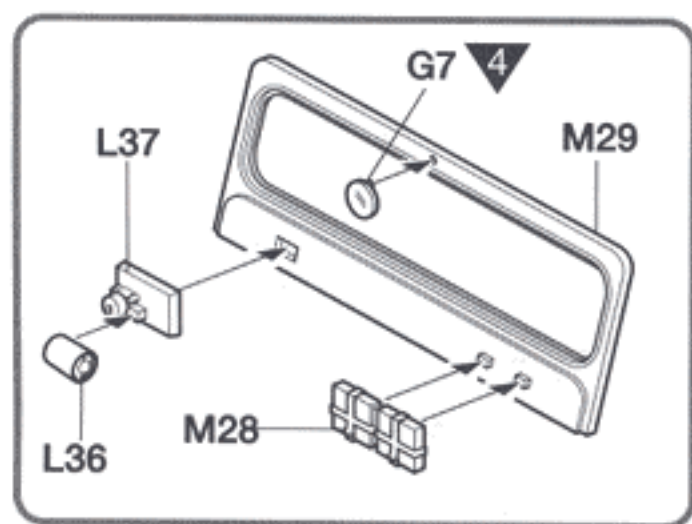
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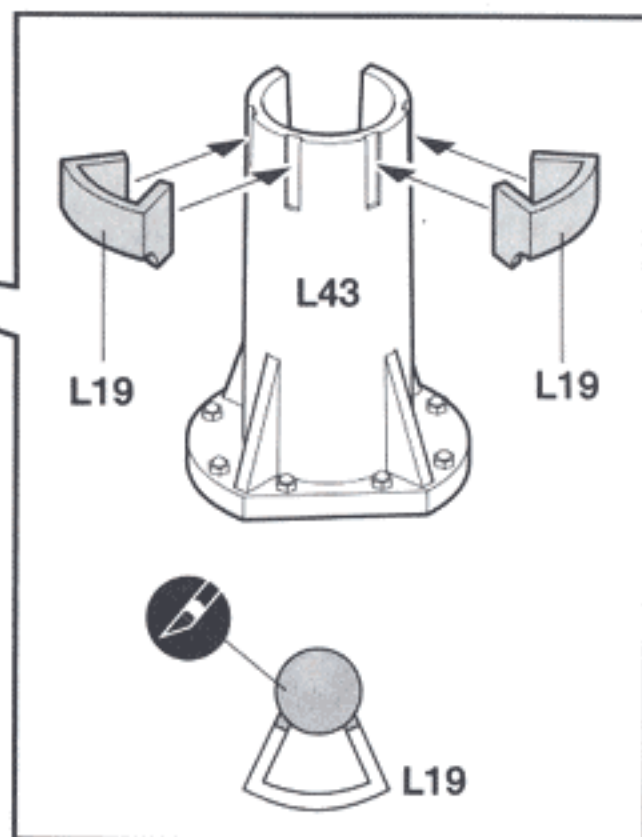
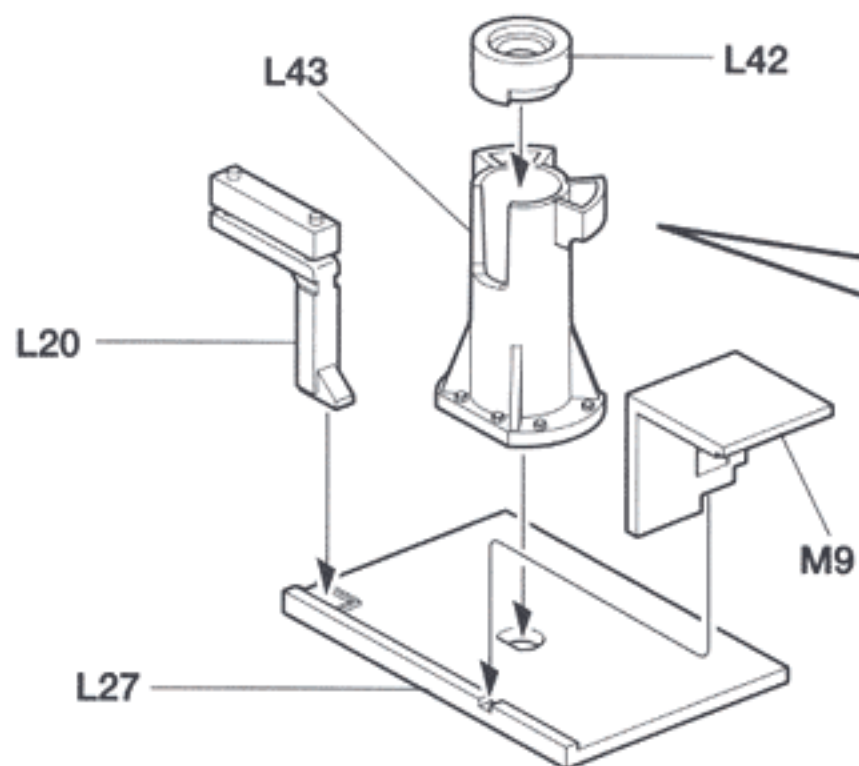


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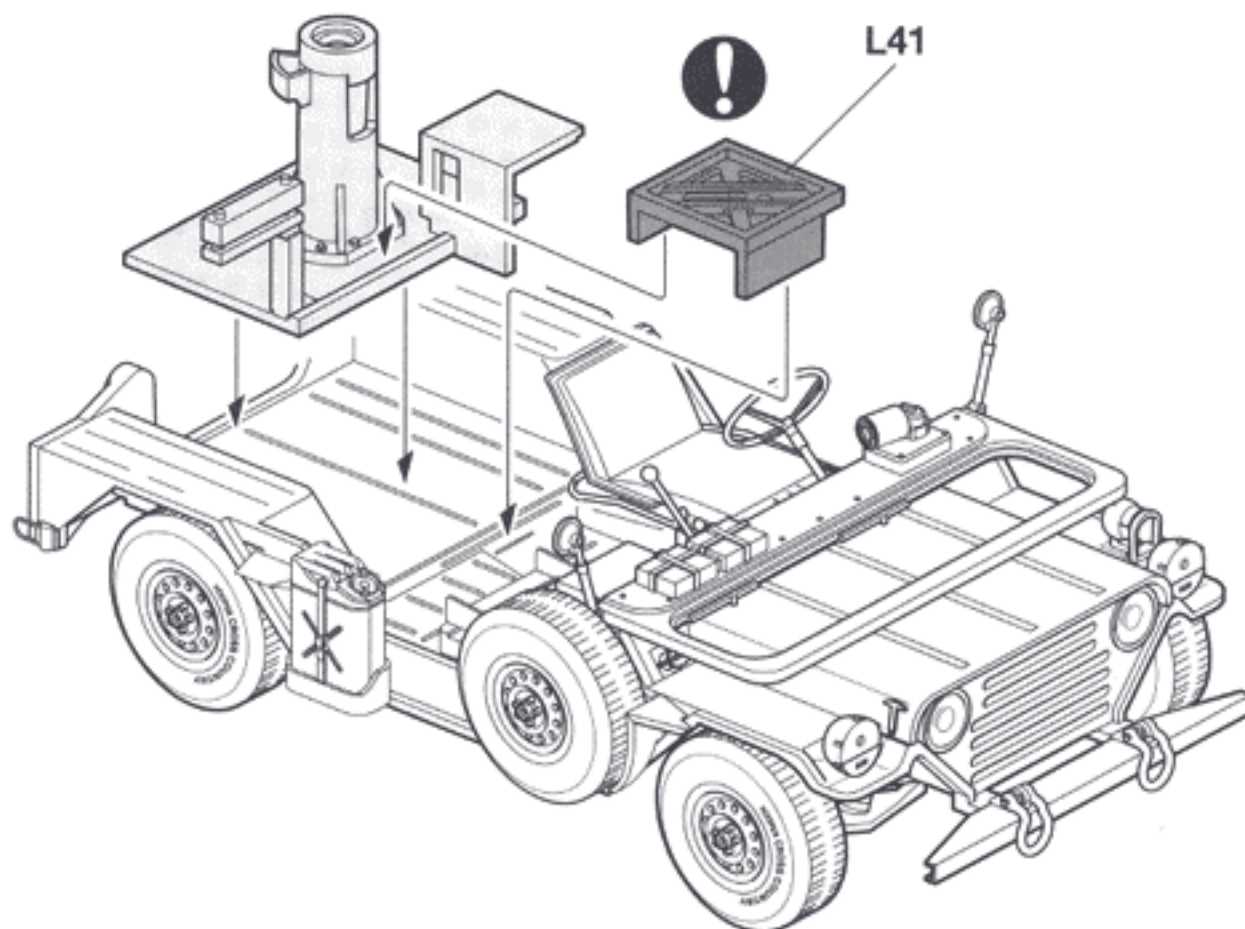




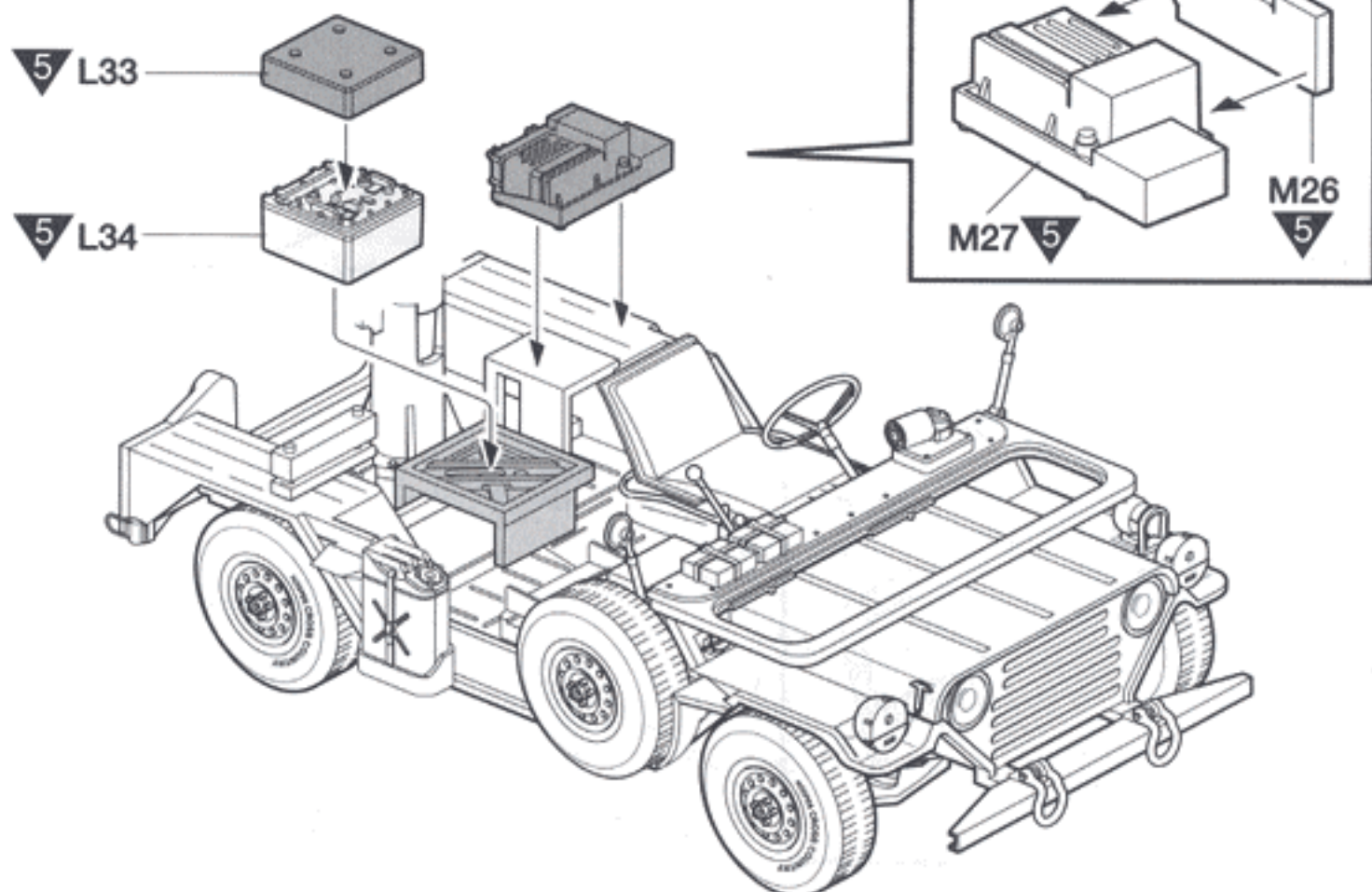
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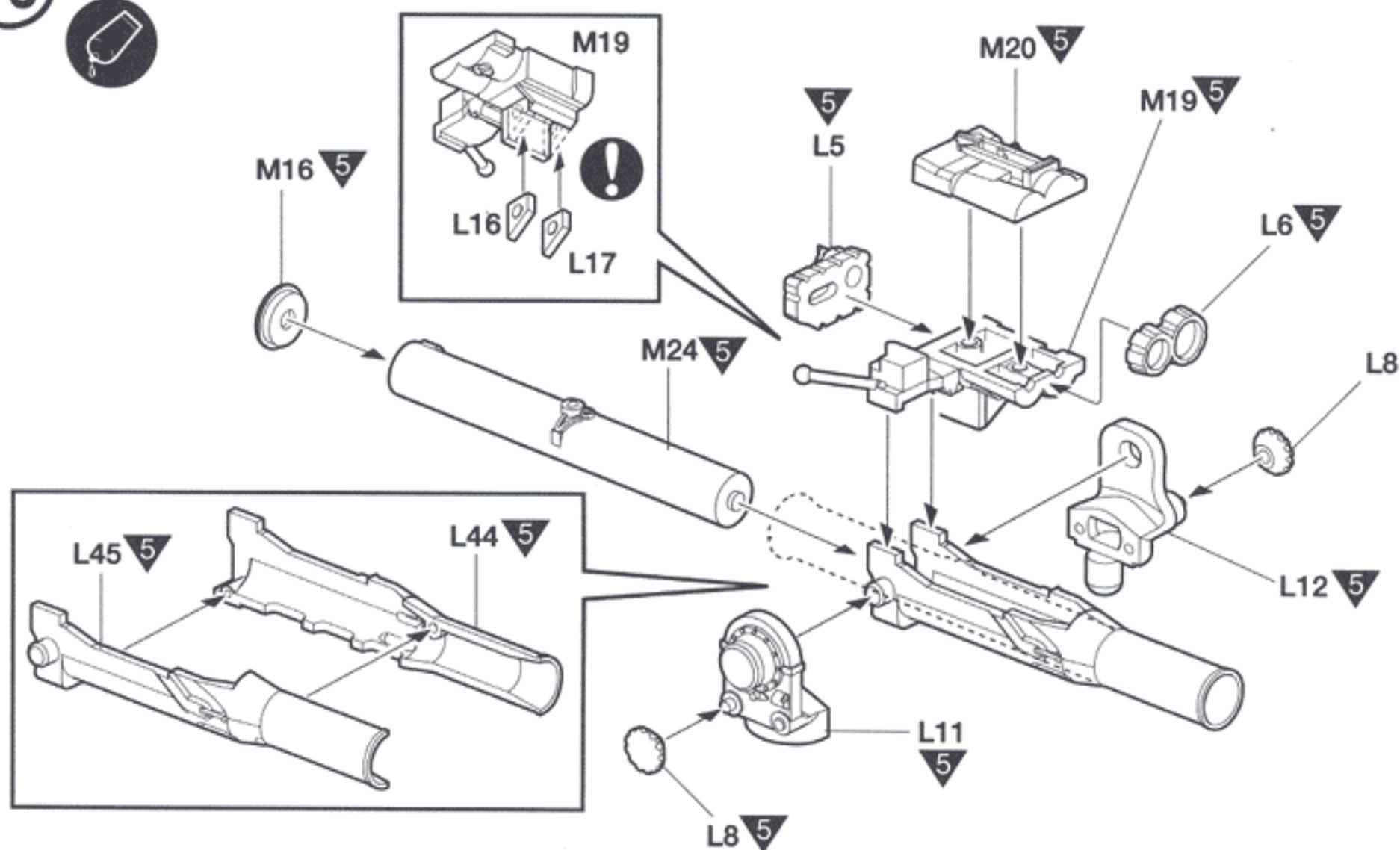


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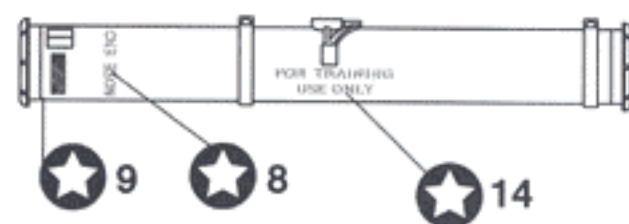
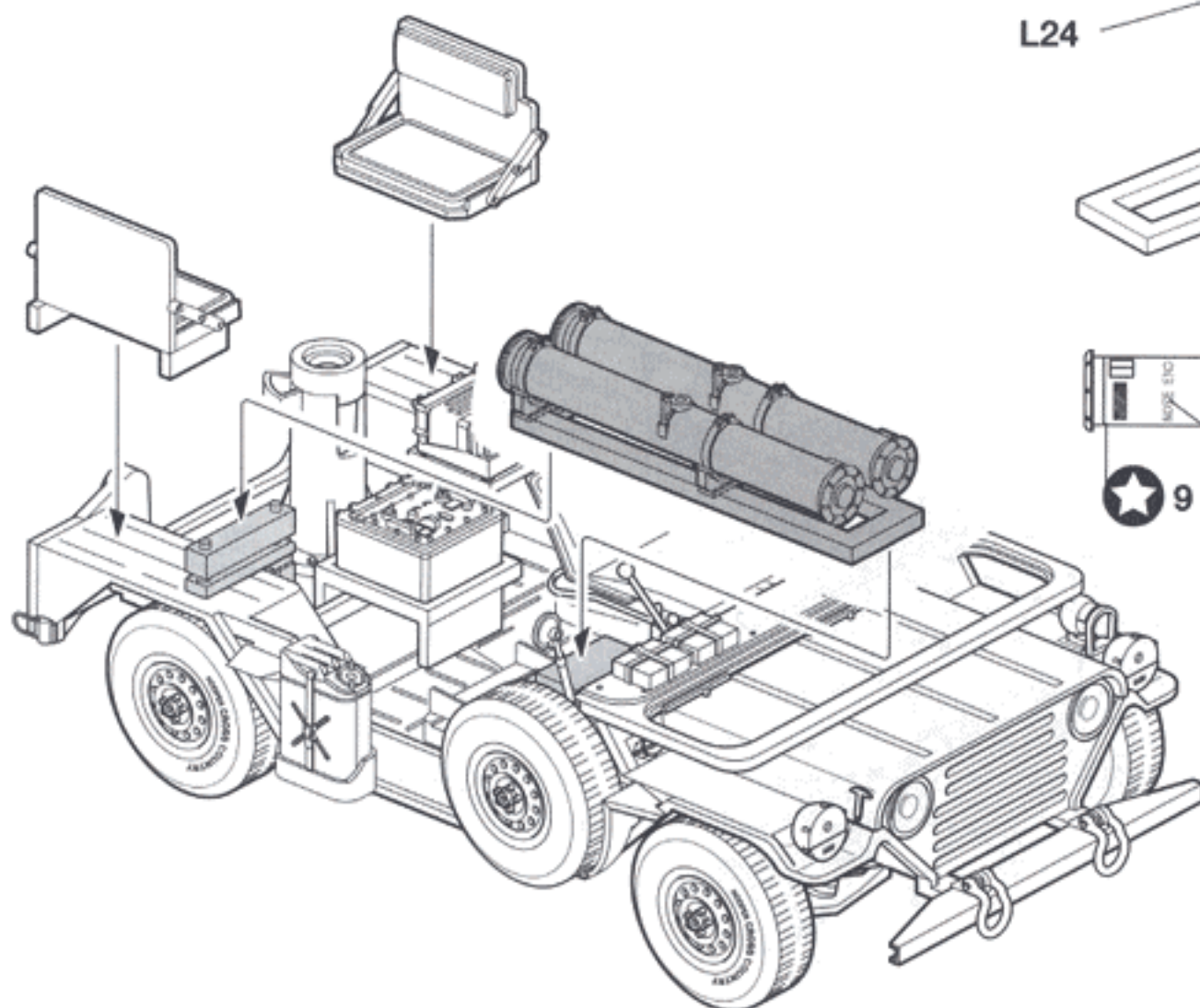
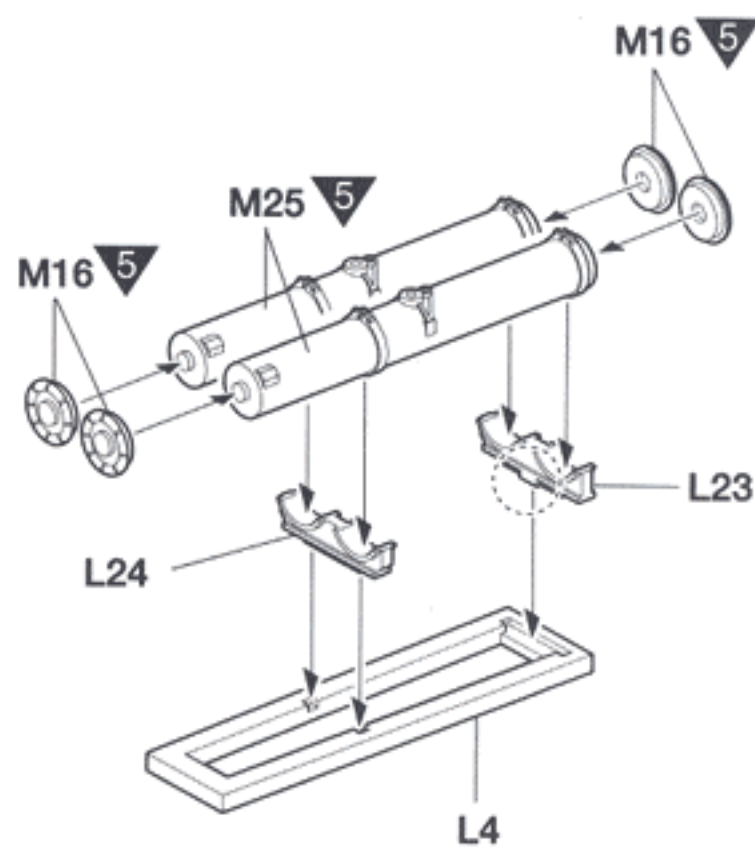
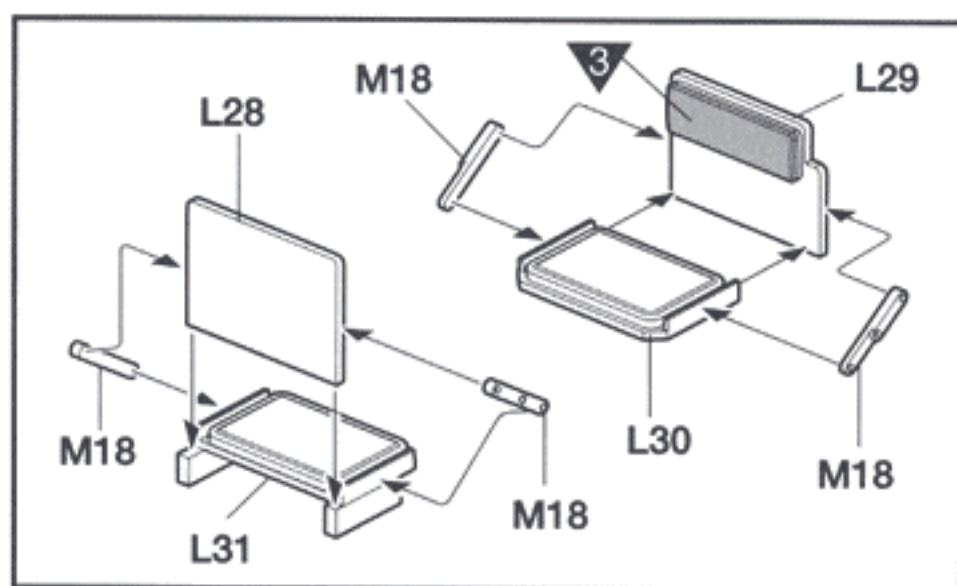




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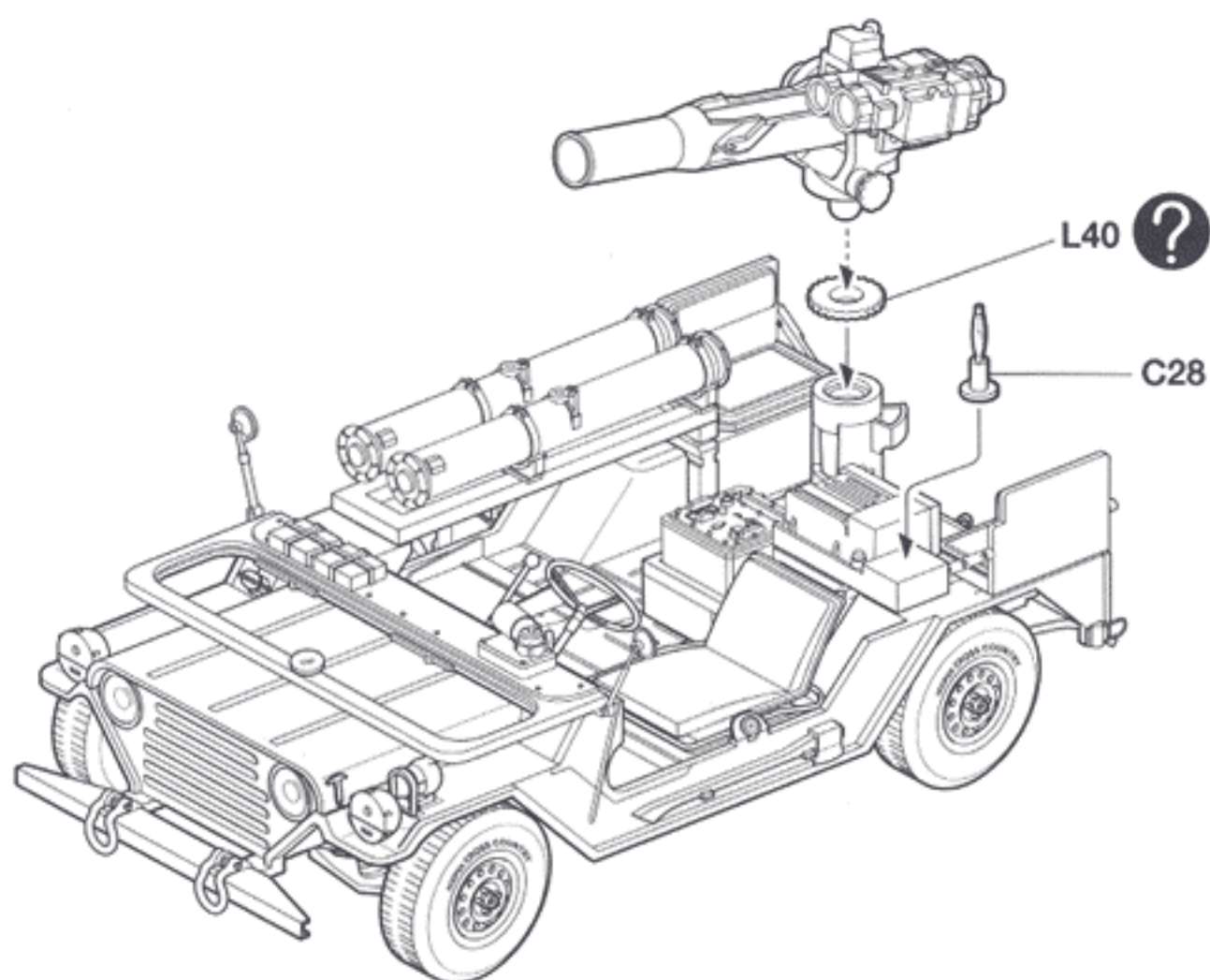


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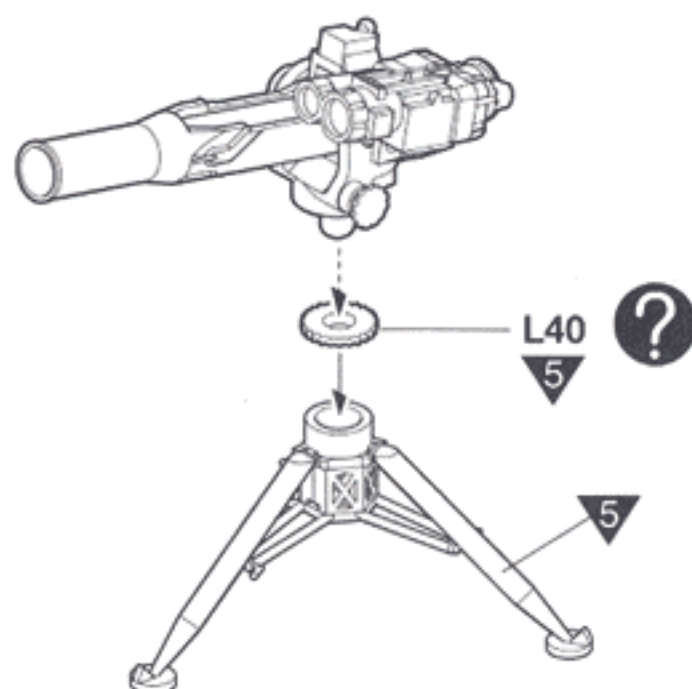
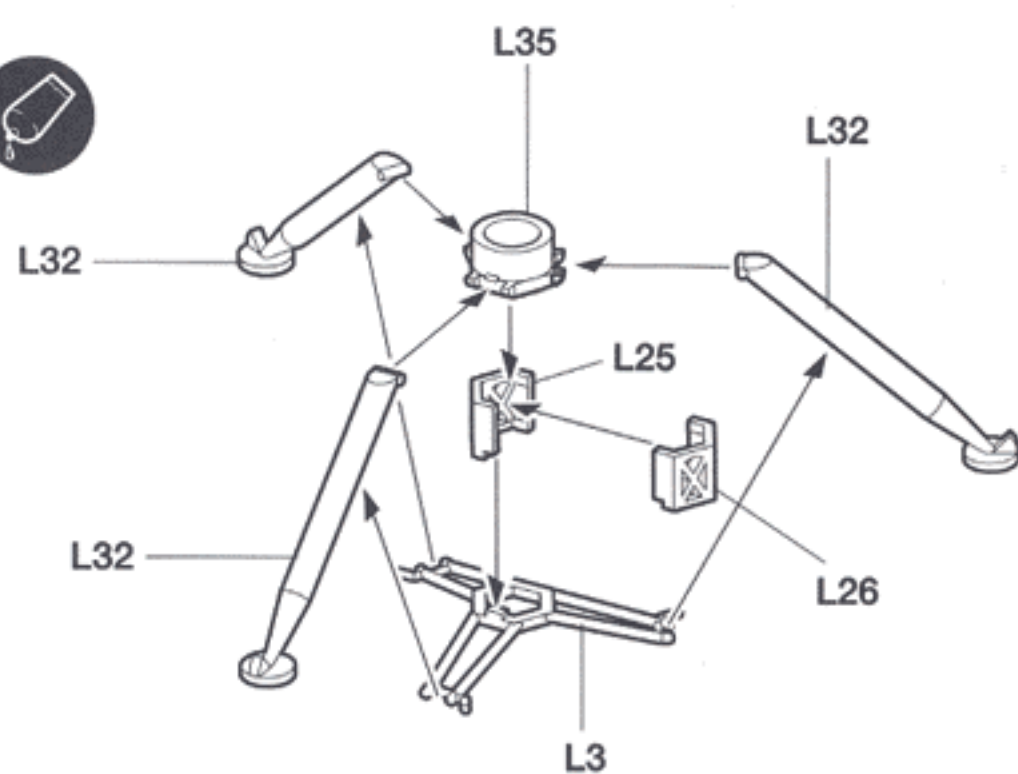




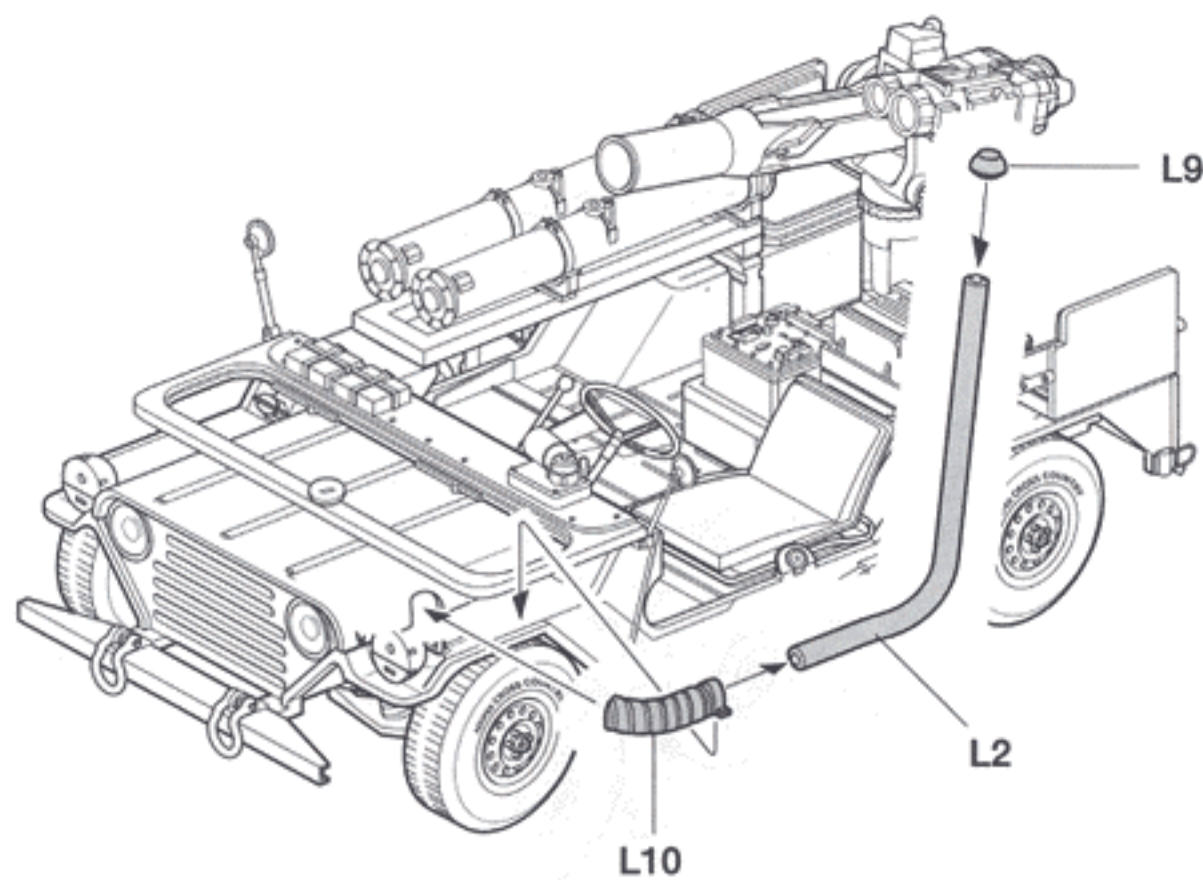
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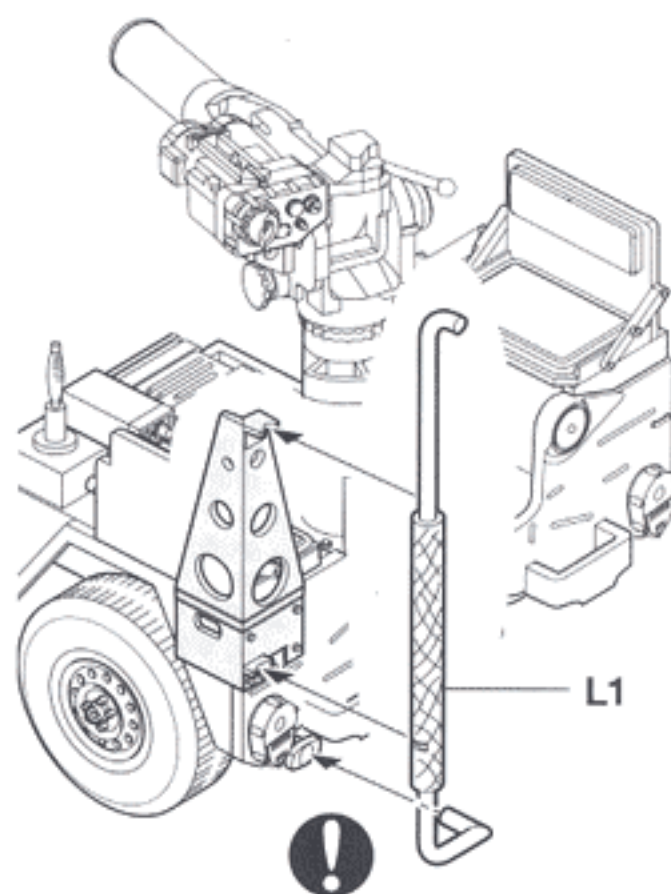
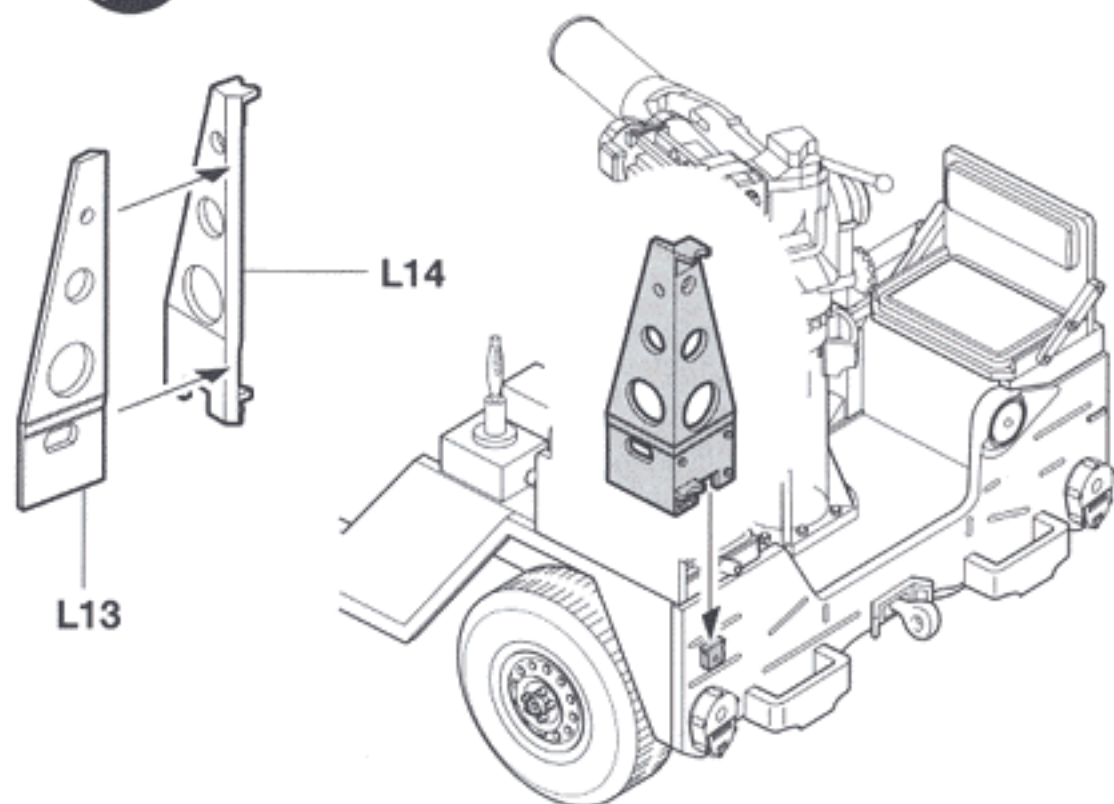


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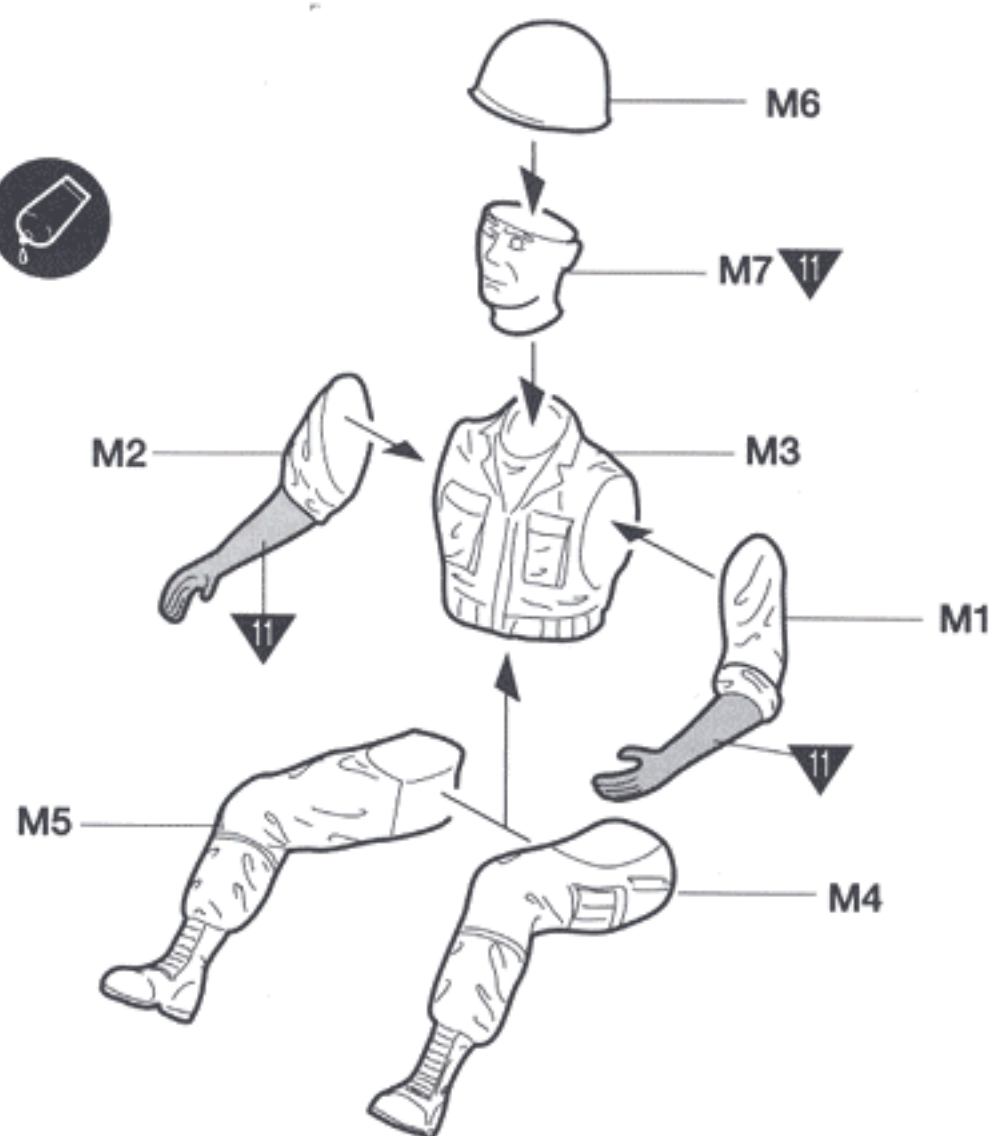




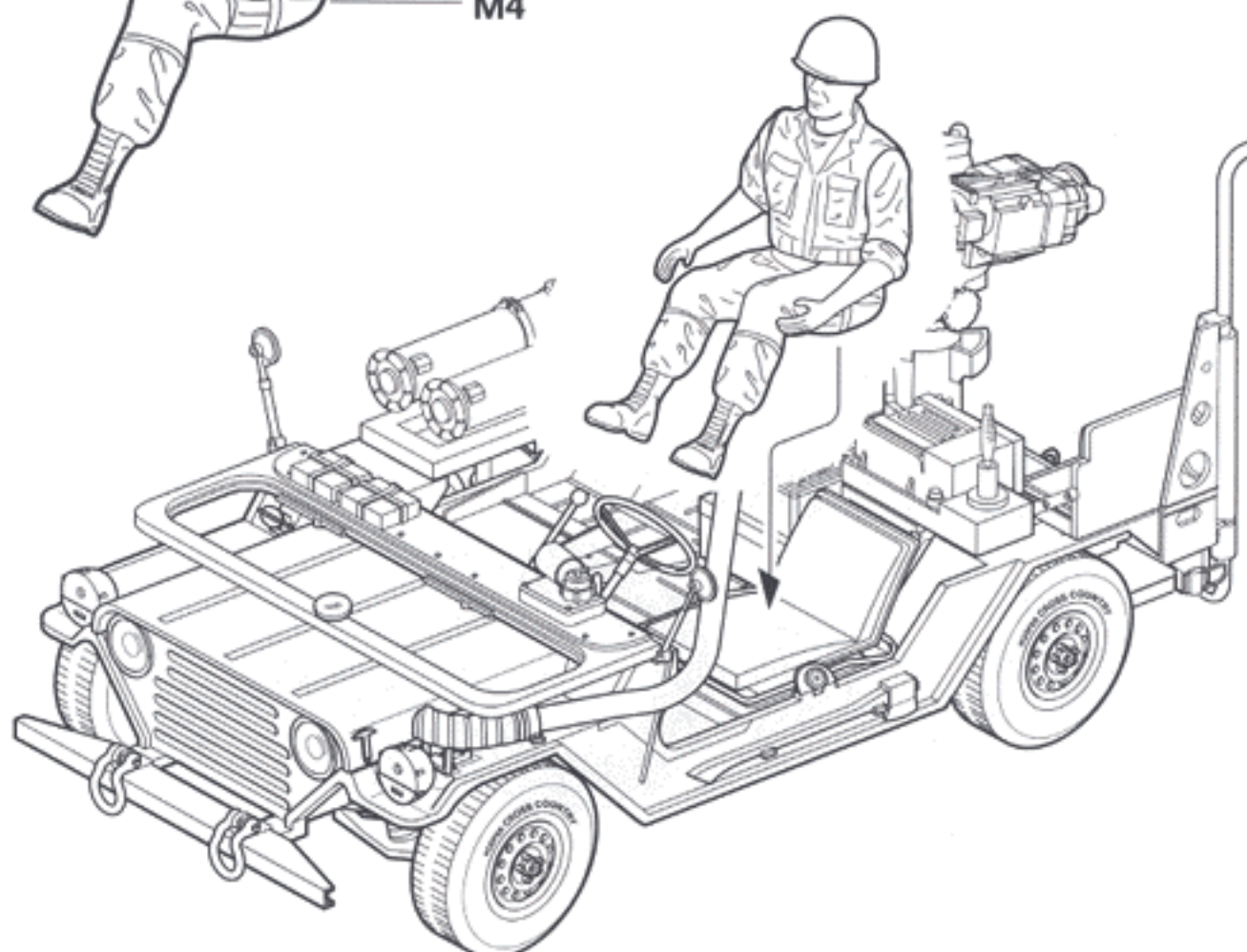
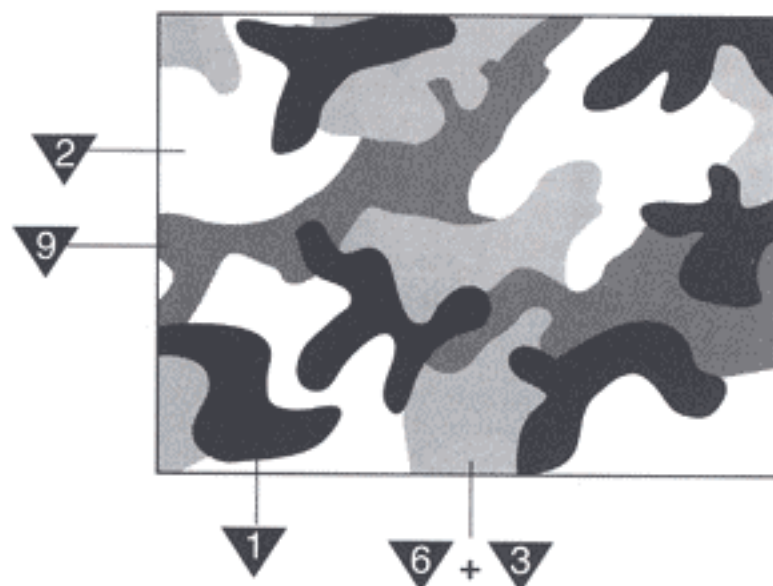
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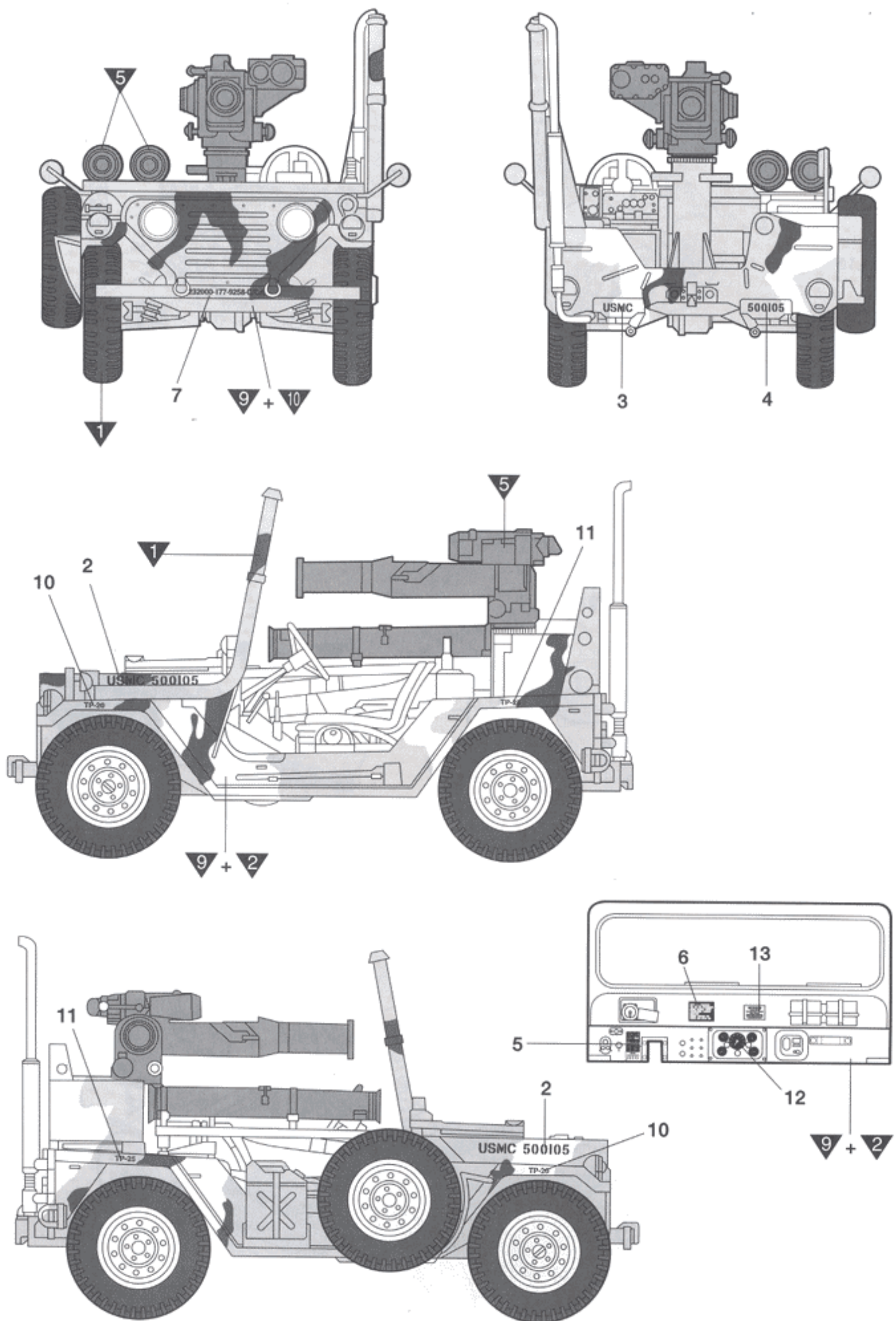


■ Painting of Camouflage suit  
위장복의 색칠





**I** U.S. Marine version  
미해병대 차량





**ACADEMY**

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# M151A2 HARD TOP WITH TRAILER


**1/35th scale**
**M151A2 하드탑 with 트레일러**
**I3012**
**ACADEMY**

HOBBY MODEL KITS

# M151A1 WITH 105mm RECOILLESS GUN


**1/35th scale**
**M151A1 105mm 무반동 총**
**I3003**

1	33H12	FLAT BLACK	MATTSCHWARZ	NOIR MAT	つや消しブラック	무광 검정색
2	62H11	FLAT WHITE	MATTWEIß	BLANC MAT	つや消しホワイト	무광 흰색
3	55H81	KHAKI	KHAKI	KAKI	카키	카키색
4	8H8	SILVER	SILBER	ARGENT	실버	은색
5	38H78	OLIVE DRAB(2)	OLIV GRÜN(2)	VERT OLIVE(2)	올리브드랍(2)	올리브드랍(국방색)
6	43H37	WOOD BROWN	HOLZBRAUN	BRUN BOIS	우드브라운	우드브라운
7	28H18	STEEL	STAHL	ACIER	흑철색	스틸(흑철색)
8	58H24	ORANGE YELLOW	GELBORANGE	JAUNE-ORANGE	황색	오렌지옐로우
9	303	GREEN (FS 34102)	GRÜN (FS 34102)	VERT (FS 34102)	그린 (FS 34102)	그린 (FS 34102)
10	54H80	KHAKI GREEN	KHAKIGRÜN	VERT KAKI	카키그린	카키그린
11	51H44	FLESH	FLEISCHFARBEN	CHAIR MAT	하대색	살색

(H) in painting indication is the number of GSI Creos Aqueous Hobby Color, while (M) is that of Mr. Color.

塗料指定の(H)はGSIクレオス・Mr.カラー、(M)は水性ホビーカラーの番号です。

(H) bei Bemalungshinweisen ist die Nummer der Aqueous-Hobby-Color von GSI Creos, während (M) den Ton der Farbserie Mr. Color anzeigt.

Sur le guide de peinture, (H) correspond au numéro de couleur GSI Creos AQUEOUS HOBBY COLOR, alors que (M) correspond à Mr. COLOR.

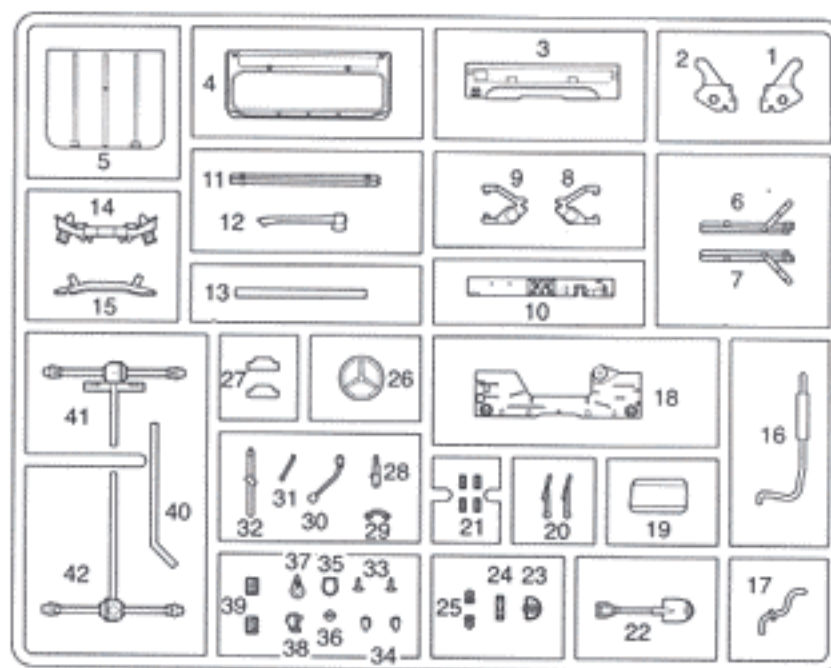
도료지정 (H)은 GSI크레오스 Mr.컬러, (M)은 수성하비컬러의 번호입니다.



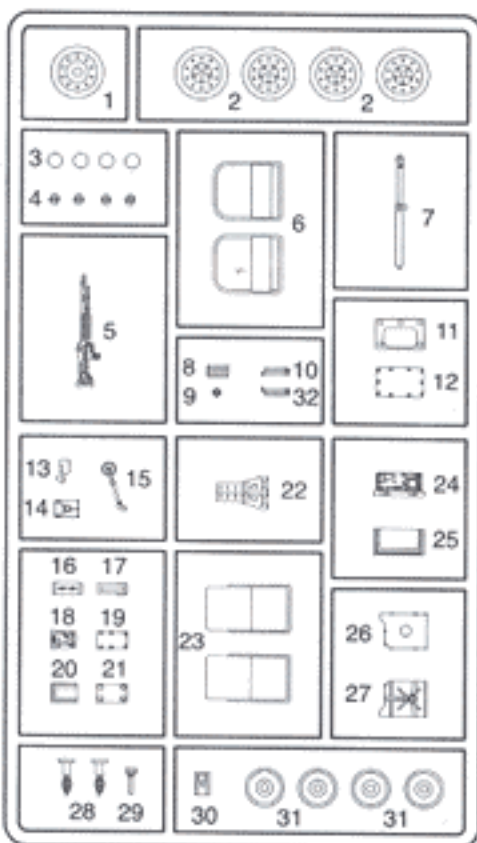
**A**



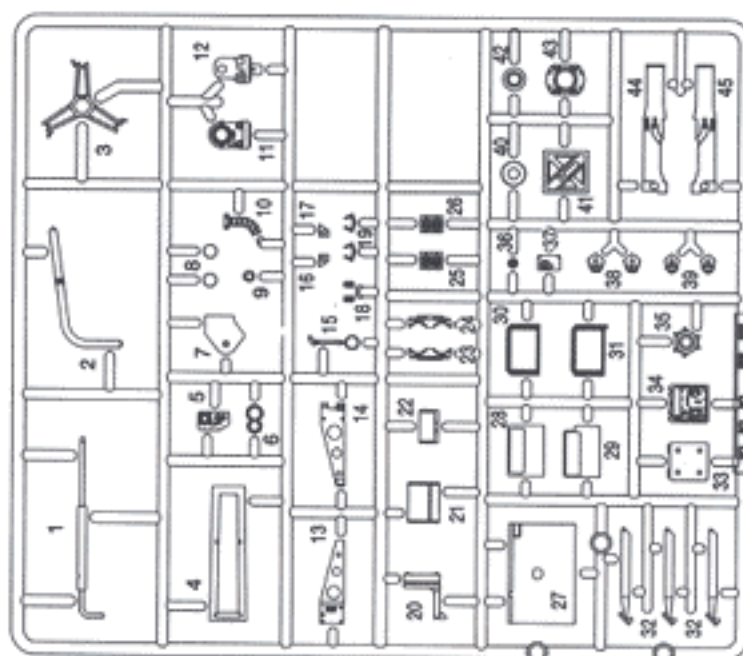
**B**



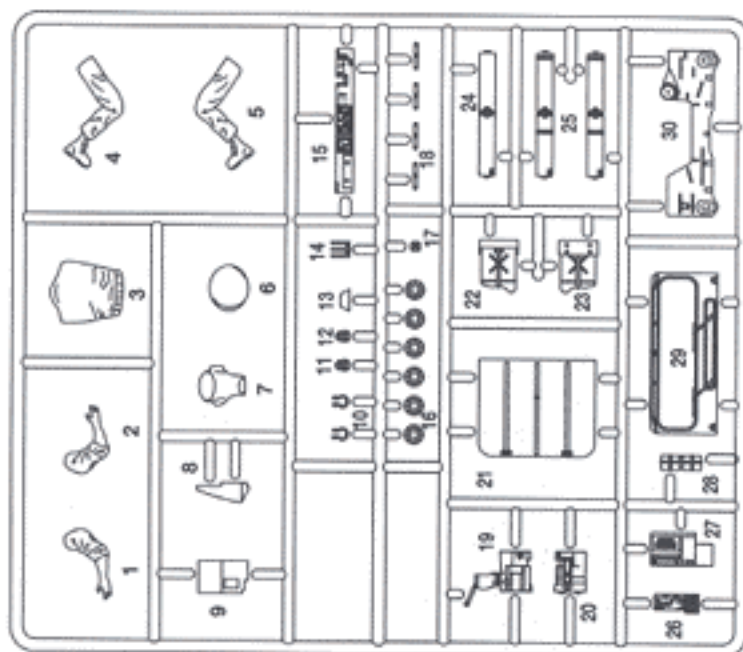
**C**



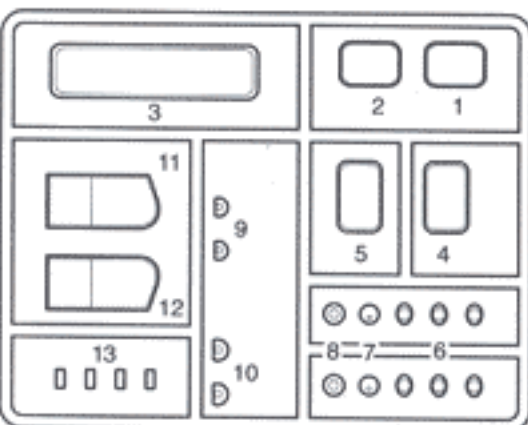
**L**



**M**



**G**



**Y**



Body  
차체



■ DECAL 전사지 ×1

■ UNUSED PARTS  
불필요부품

B4, B5, B6, B7, B10, B11, B18, B20, B21, B22, B25, B29, B34, B40, C5, C6×1, C7, C8, C9, C10, C11, C12, C13, C14, C16, C17, C18, C19, C20, C21, C22, C23×1, C24, C25, C26, C27, C28×1, C29, C30, C32, G1, G2, G4, G5, G6, G7×1, G11, G12, G13, M16×1

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- ♣ 고객상담문의 080-969-7000
- 홈페이지 <http://www.academyhobby.com>

**ACADEMY**  
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