

# 1/35th U.S. TANK DESTROYER M-10 GUN MOTOR CARRIAGE

TA990/#1393

## M-10 미육군 자주포전차

An anti-tank vehicle, having good mobility and satisfactory firepower was urgently needed in the early 1940s. The design and development was rushed and accepted in September 1942 and put into production. The 76mm Gun Motor Carriage M10 featured a M4A2 medium hull with semi-open turret, flattened top of the hull, and reduced armor to save weight. It was propelled by a GM 6046 12 cylinder, twin diesel inline engine. Standard M4 series vertical suspension(VVSS) with 12 road wheels was used. The main armament was a 76mm M7 gun on M5 mounting that can fire up to 15 rounds per minute. The pentagonal turret can rotate 360° and the rise can vary between -10° and +30°. Total of 54 shells could be transported and it used armor perforating shells (AP), high explosives(HE) or smoke-producing rounds. A .50 caliber 12mm machine-gun mounted on the back of the turret for close range protection. With a crew of five, the fully equipped M10 weighed 33 tons and approximately 5000 units were produced.

Ab 1942 wurde in den vereinigten Staaten der Bedarf nach einem geeigneten Fahrzeug zur Panzerabwehr immer dringender. Frühere Modelle auf auf Basis der Dodge WC-Reihe oder auf Halbkettenfahrzeugen brachten z.B. in Nordafrika nicht den gewünschten Erfolg. Schließlich war laut der US Panzerdoktrin zu jener Zeit der Kampfpanzer(M3/M4) nur zur Infanterieunterstützung einzusetzen. Man beschleunigte die Entwicklung und der M10 ging ab September 1942 in Produktion. Er bestand aus der M4A2 Unterwanne mit einem halboffenen Turm und relativ leichter Panzerung zwecks Gewichtersparnis. Als Triebwerk diente ein GM6046 12-Zylinder Twin-Diesel Reihenmotor, welcher das M4 VVSS Heavy Duty Fahrwerk bewegte. Die Hauptwaff war eine 76mm M7 Kanone mit einer Feuergeschwindigkeit bis zu 15 Schuss pro Minute(panzerbrechend, explosiv und Rauch). Der fünfeckige Turm war komplett drehbar und besaß einen Höhenrichtbereich von -10 bis +30 Grad. Für die Nahverteidigung war auf dem Heck des Turmes ein 1,27cm MG installiert, welches aufgrund der fehlenden Bugbewaffnung jedoch oft auf die Vorderseite des Turmes montiert wurde, gelegentlich auch mit einen zweiten 0.30 Browning. Ein weiterer Grund für diese zusätzliche Bewaffnung war sicherlich auch der nach oben offene Turm und dessen Verwundbarkeit gegenüber Infanterieangriffen, besonders in Wäldern und Städten. Die Besatzung bestand aus fünf Soldaten, ein einsatzbereiter M10 wog ca. 33 Tonnen. Es wurden ungefähr 5000 Fahrzeuge insgesamt hergestellt.

1940년대 초반에, 충분한 기동성과 만족되는 화력을 가진 대전차차량의 필요성으로 그 개발을 서둘러 진행하게 되었다. 그 결과 1942년에 M10의 생산이 시작되었다. M10은 포탑의 상부가 열린 오픈탑 방식의 채용으로 승무원의 시야확대를 극대화 하였으며, 차체는 M4A2 셔먼의 것을 기초로 중량감소를 위해 장갑을 축소하였다. 엔진은 12실린더, 2열 직렬식 디젤 GM6046 엔진 1기를 탑재 하였으며, M4시리즈의 수직서스펜션(VVSS)현가장치를 사용하고 있다. 주포는 분당 15발의 사격이 가능한 M7 76밀리포 1문이며, 5각형의 포탑은 360도 회전이 가능하고 상하로는 부각 10도에서 양각 30도의 움직임이 가능하다. 총 54발의 포탄을 탑재하며, 근접전투 및 대공용의 M2중기관총 1정을 포탑후부에 장비하고 있다. M10은 5명의 승무원이 탑승하며 약 5,000대가 생산되어 2차대전 기간 중 거의 모든 연합군의 전선에서 사용되어졌다.

미국은 1940년대 초 충분한 기동력과 강력한 화력을 가진 대전차차량의 필요성으로 그 개발을 서둘러 진행하게 되었다. 그 결과 1942년에 M10의 생산이 시작되었다. M10은 포탑의 상부가 열린 오픈탑 방식의 채용으로 승무원의 시야확대를 극대화 하였으며, 차체는 M4A2 셔먼의 것을 기초로 중량감소를 위해 장갑을 축소하였다. 엔진은 12실린더, 2열 직렬식 디젤 GM6046 엔진 1기를 탑재 하였으며, M4시리즈의 수직서스펜션(VVSS)현가장치를 사용하고 있다. 주포는 분당 15발의 사격이 가능한 M7 76밀리포 1문이며, 5각형의 포탑은 360도 회전이 가능하고 상하로는 부각 10도에서 양각 30도의 움직임이 가능하다. 총 54발의 포탄을 탑재하며, 근접전투 및 대공용의 M2중기관총 1정을 포탑후부에 장비하고 있다. M10은 5명의 승무원이 탑승하며 약 5,000대가 생산되어 2차대전 기간 중 거의 모든 연합군의 전선에서 사용되어졌다.

### <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 paß zu prüfen.
- 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 Plastikfäden über den Kopf ziehen.

### ■조립하기 전에

- 부품을 조립하기 전에 설명서를 잘 읽어본 후 조립한다.
- 부품을 조립할 때에는 칼이나 니퍼로 깨끗이 잘라준다.
- 점착하기 전에 부품을 맞추어 확인한 후 조립한다.
- 에어칼 페인트나 점착제를 사용할 때는 창문을 열어 환기를 시키고 화기를 멀리한다.

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

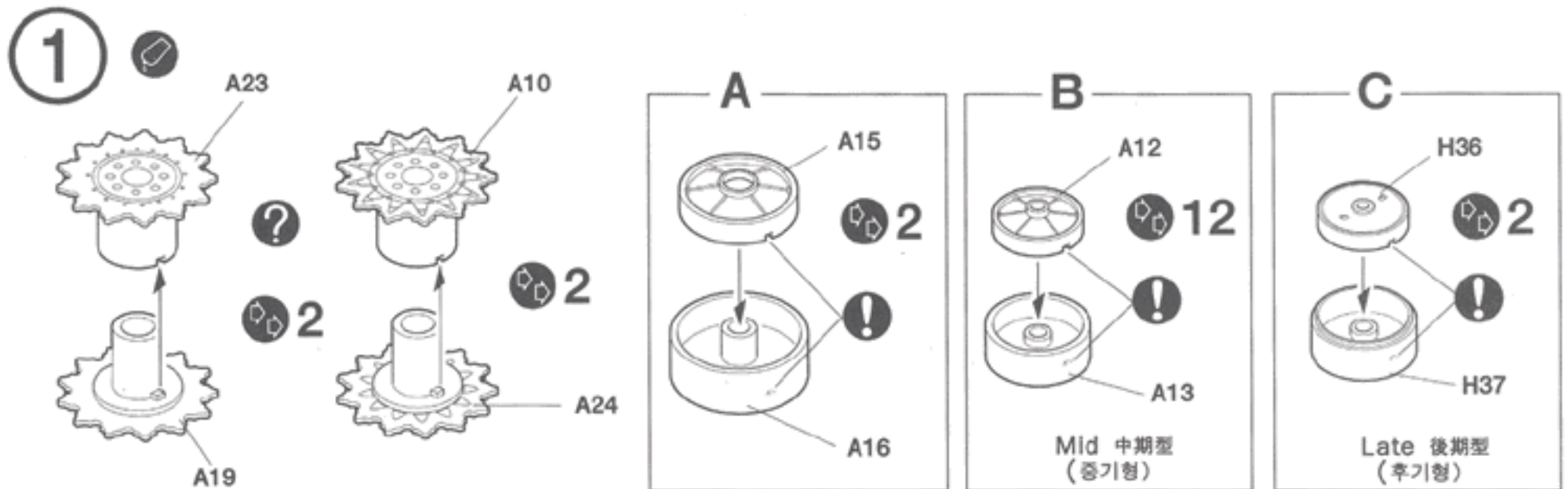
- Étudier les schémas d'assemblage. - Contrôler que chaque pièce soit bien conforme avant de la coller à sa place.
- N'utilisez pas trop de colle pour réunir les pièces. - Ne jamais manipuler la colle ou peinture à proximité d'une flamme.
- Aérer soigneusement la pièce où vous peignez(ouvrir la fenêtre). - 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>

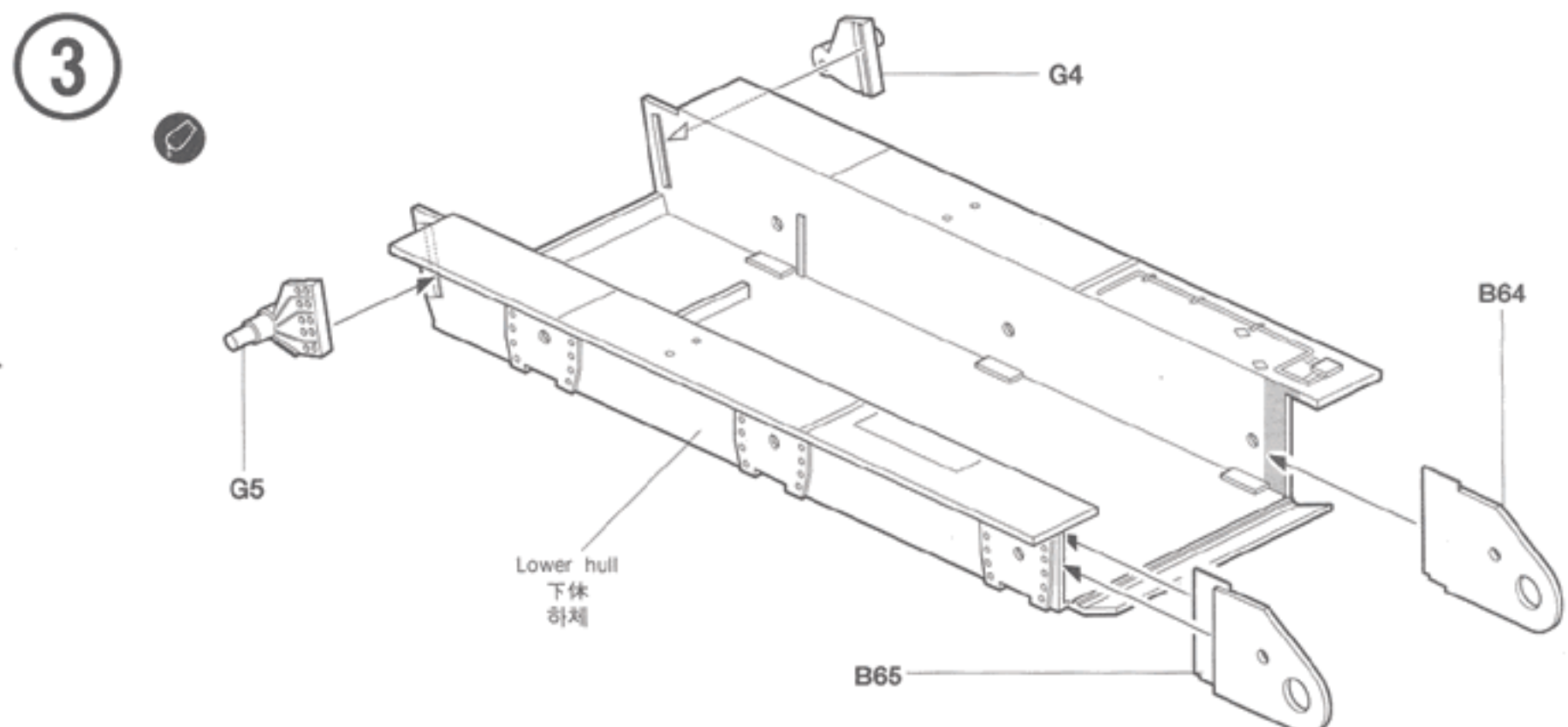
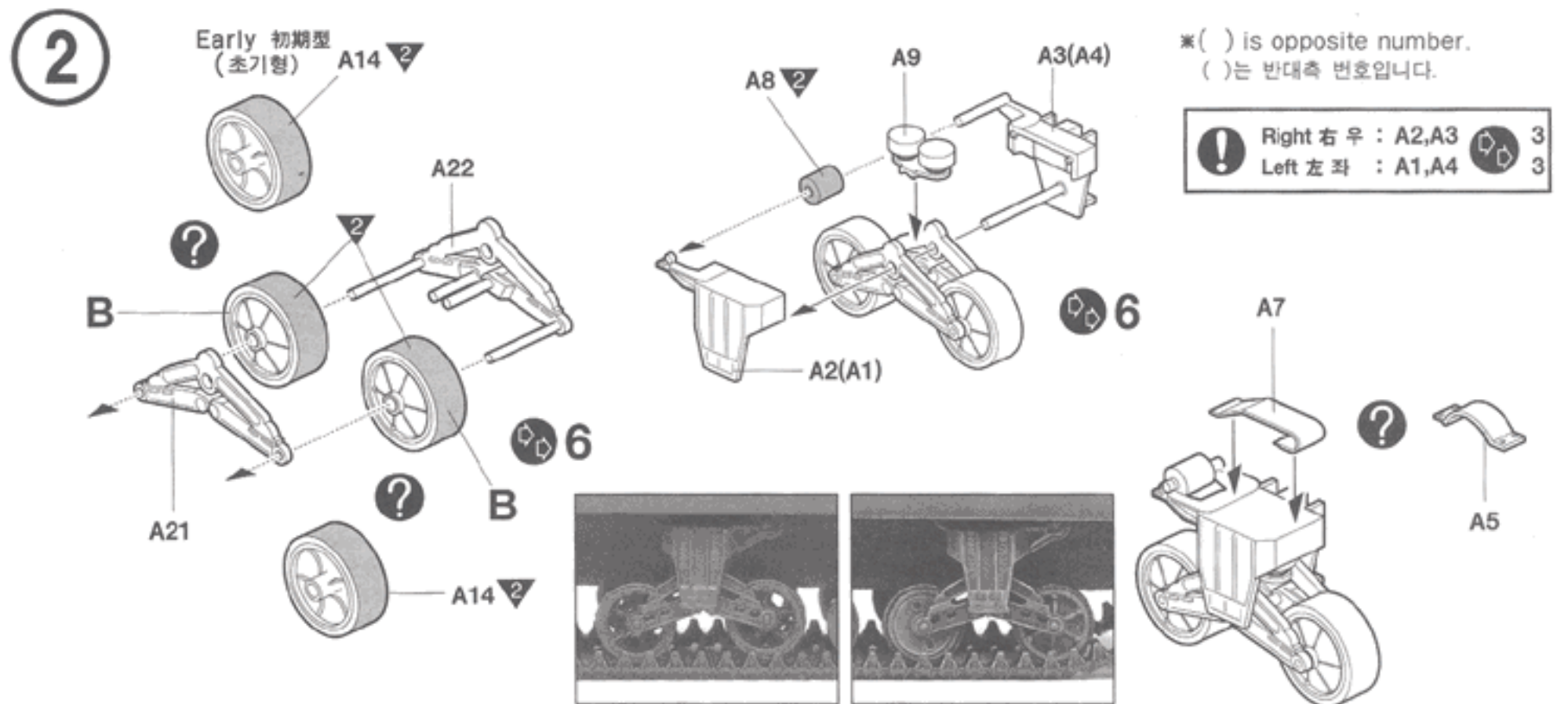
- 組み立てる前に説明書をお読み下さい。 -部品をランナーから切りはなす時は模型用ニッパーとカッターを使用します。
- 接着剤を少しなめに使うことがきれいに仕上がるコツです。 -接着する前に部品を合わせて確かめます。
- 接着剤や塗料を使用する時はときどき窓を開けて換気に気をつけましょう。
- 組み立て後の部品やビニール袋は小さな子供の手の届かない安全な所に保管して下さい。

- 점착제를 사용할 곳과 사용하지 않는 곳에 주의하고 너무 많이 바르지 않도록 한다.
- 사용 후 남은 부품은 어떤 OK!들의 손에 맡기 않도록 잘 처리한다.

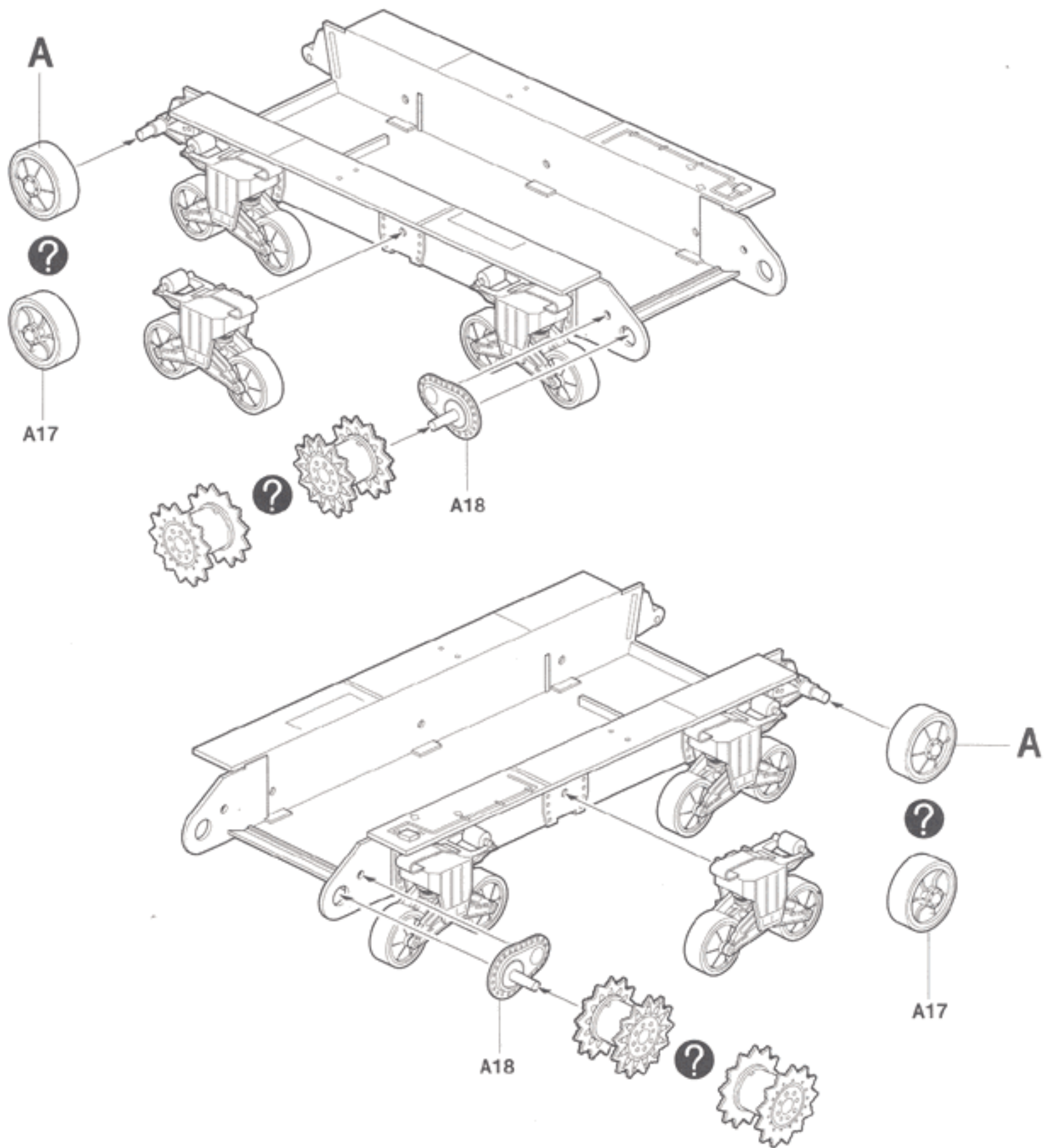




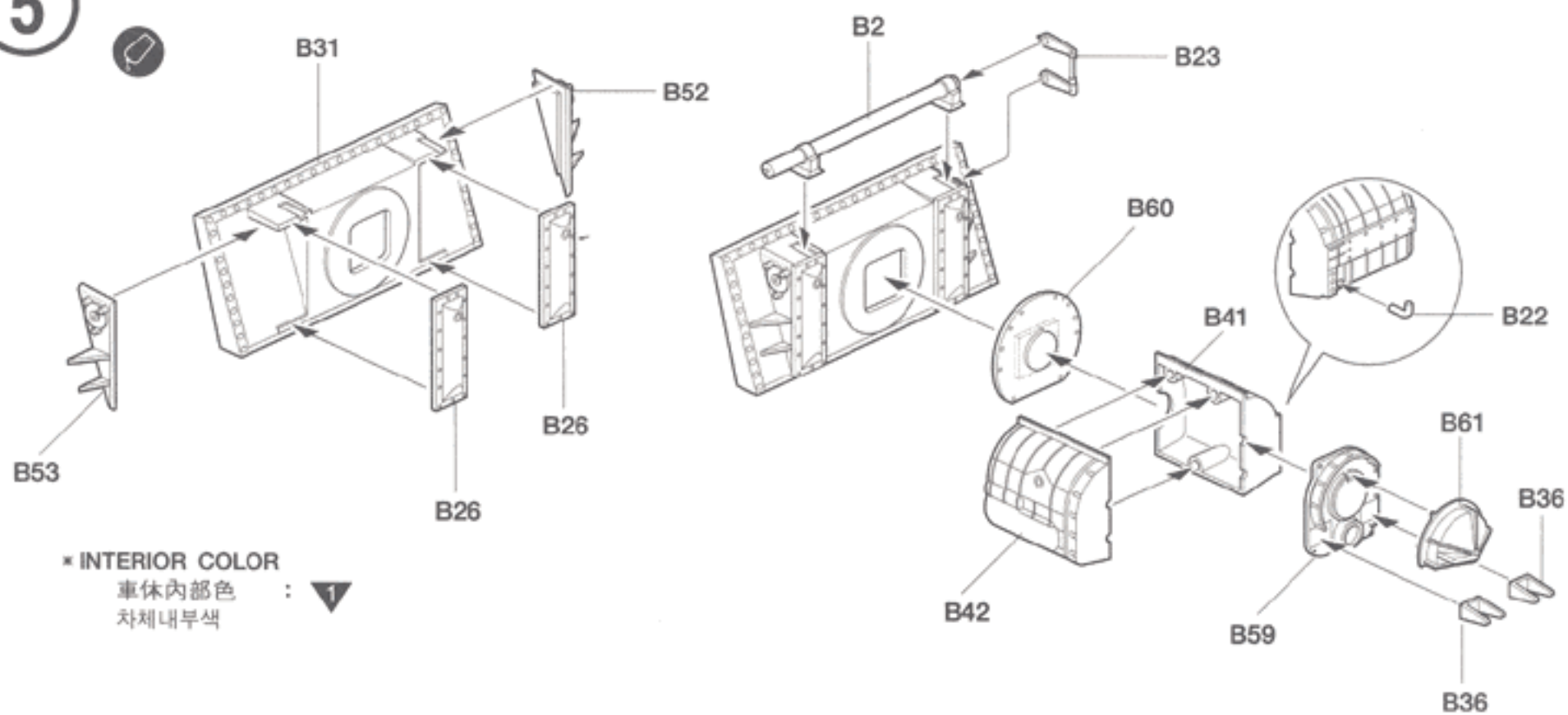
\*C is optional parts.  
C는 옵션 부품입니다.



4



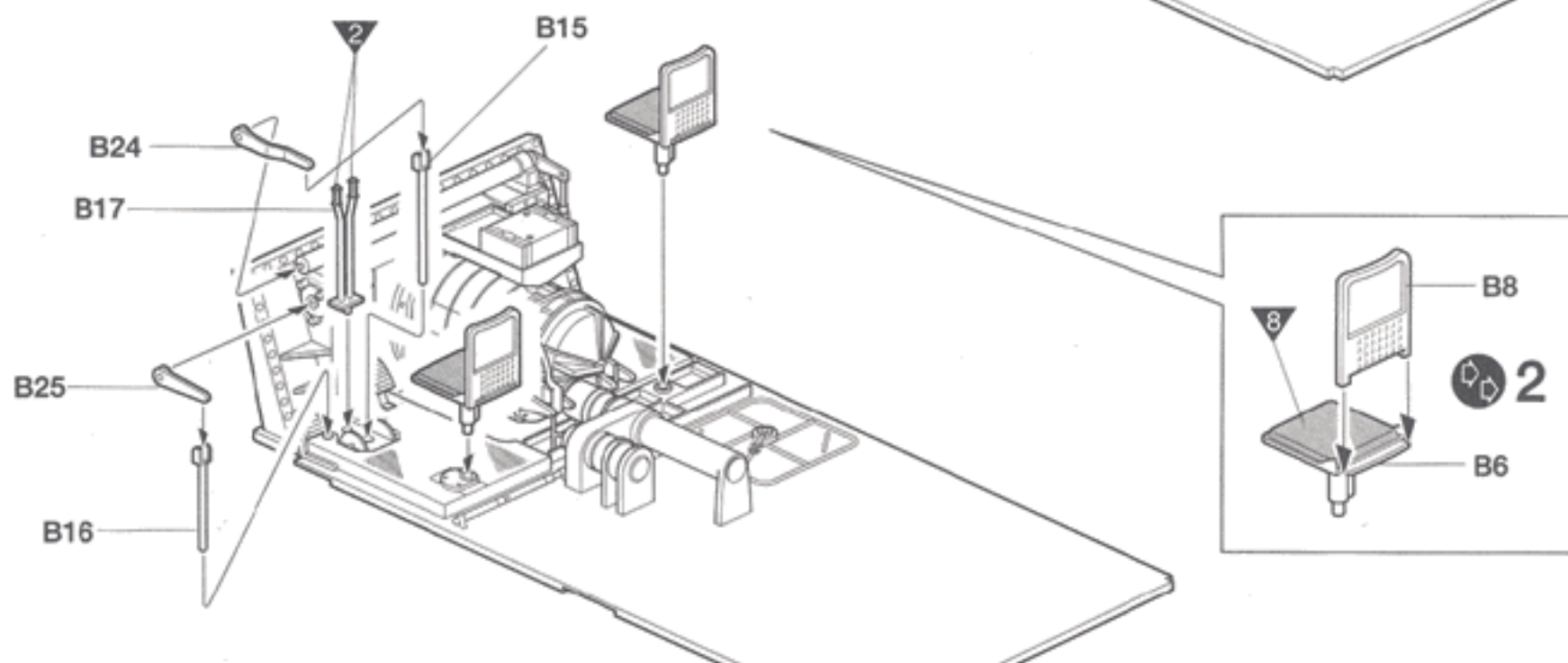
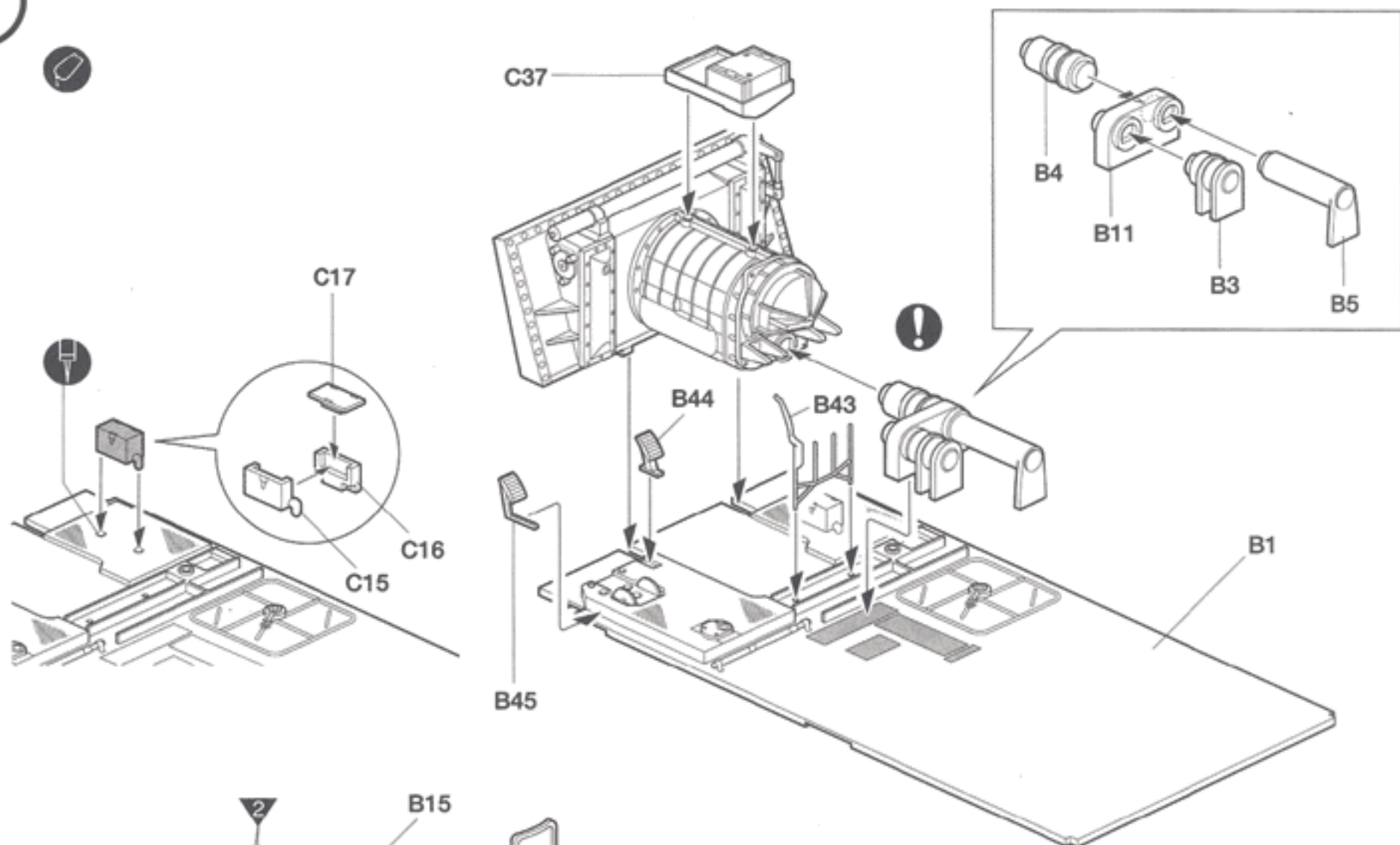
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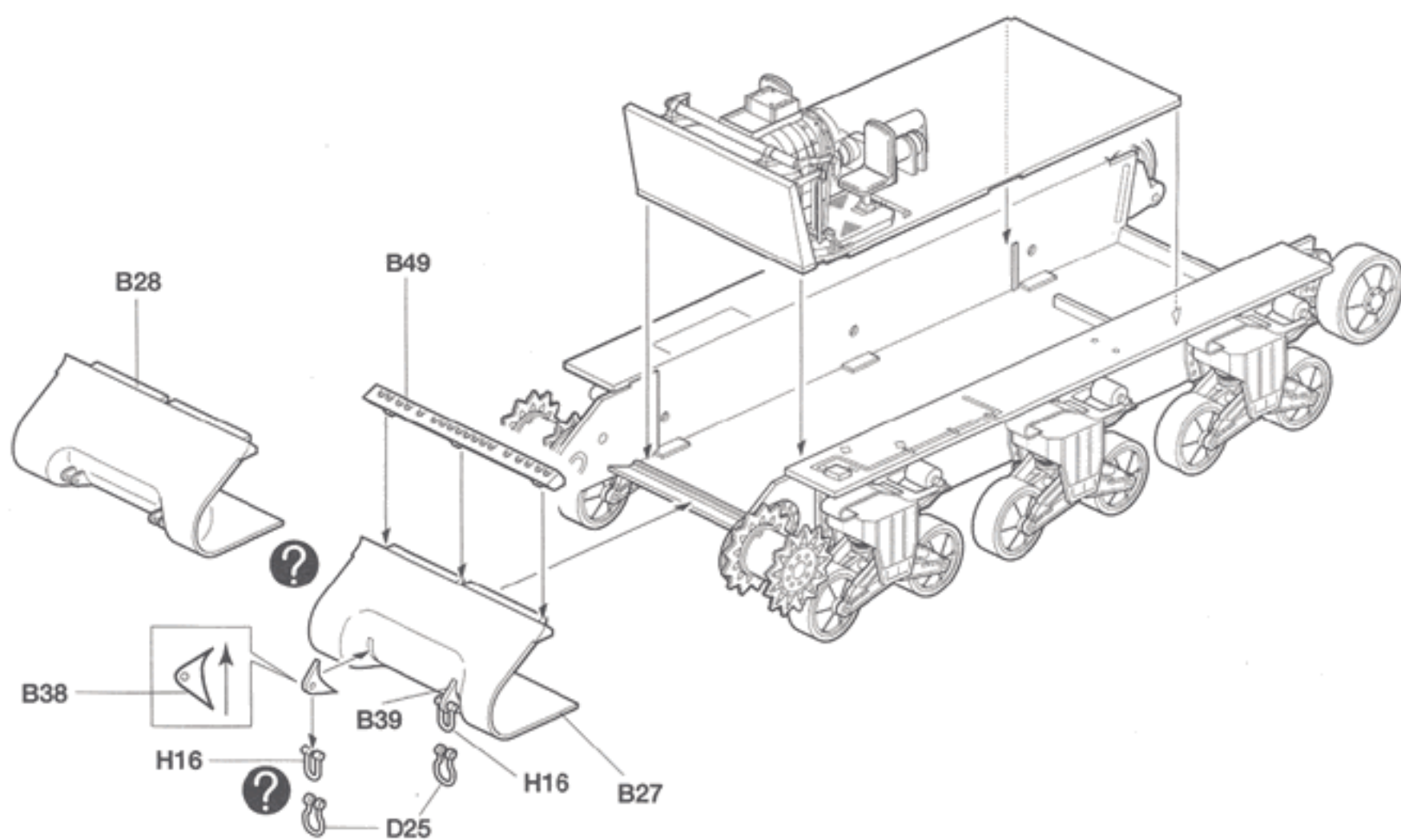
※ INTERIOR COLOR  
車体内部色 : ▼  
차체내부색



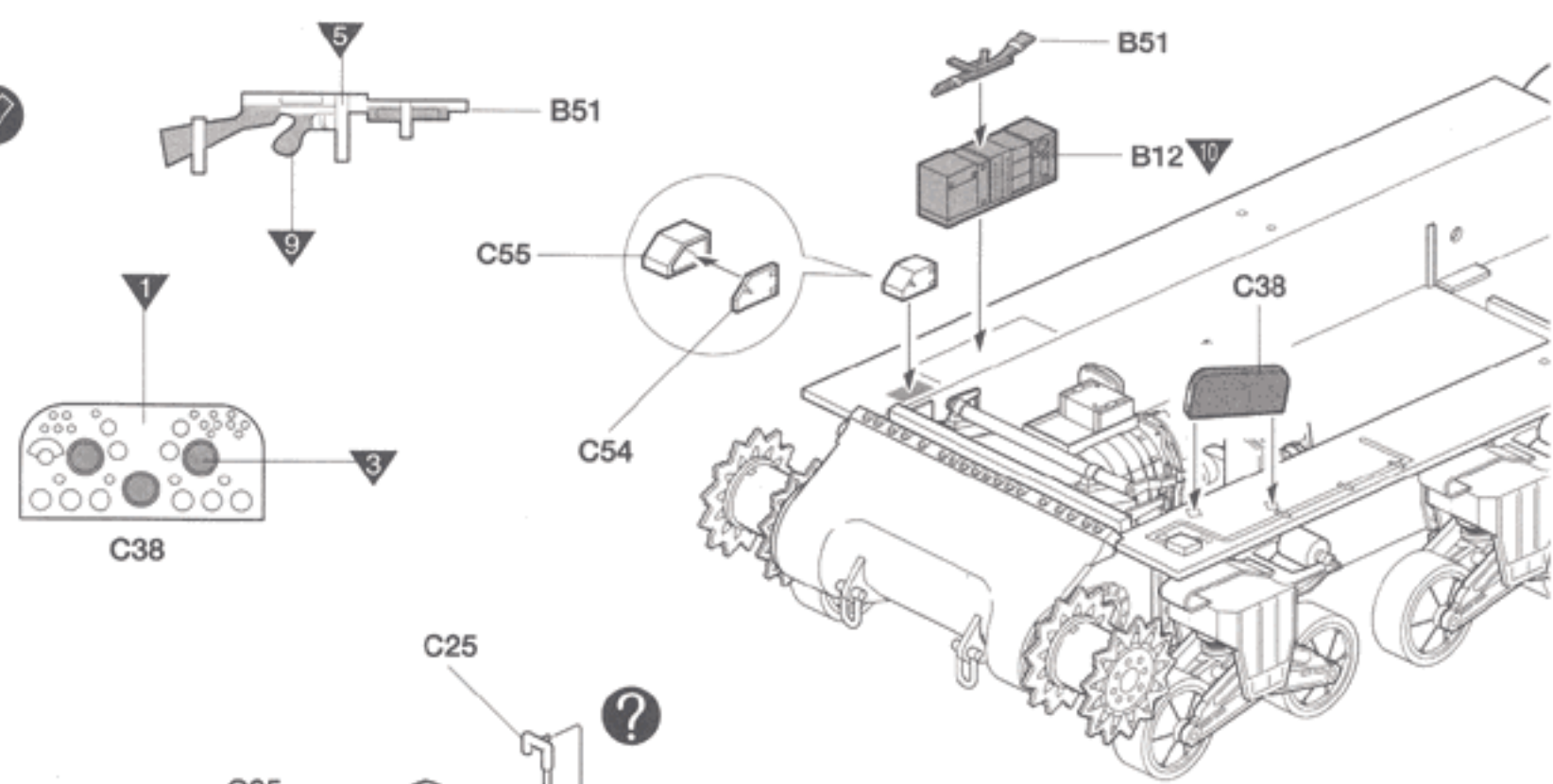
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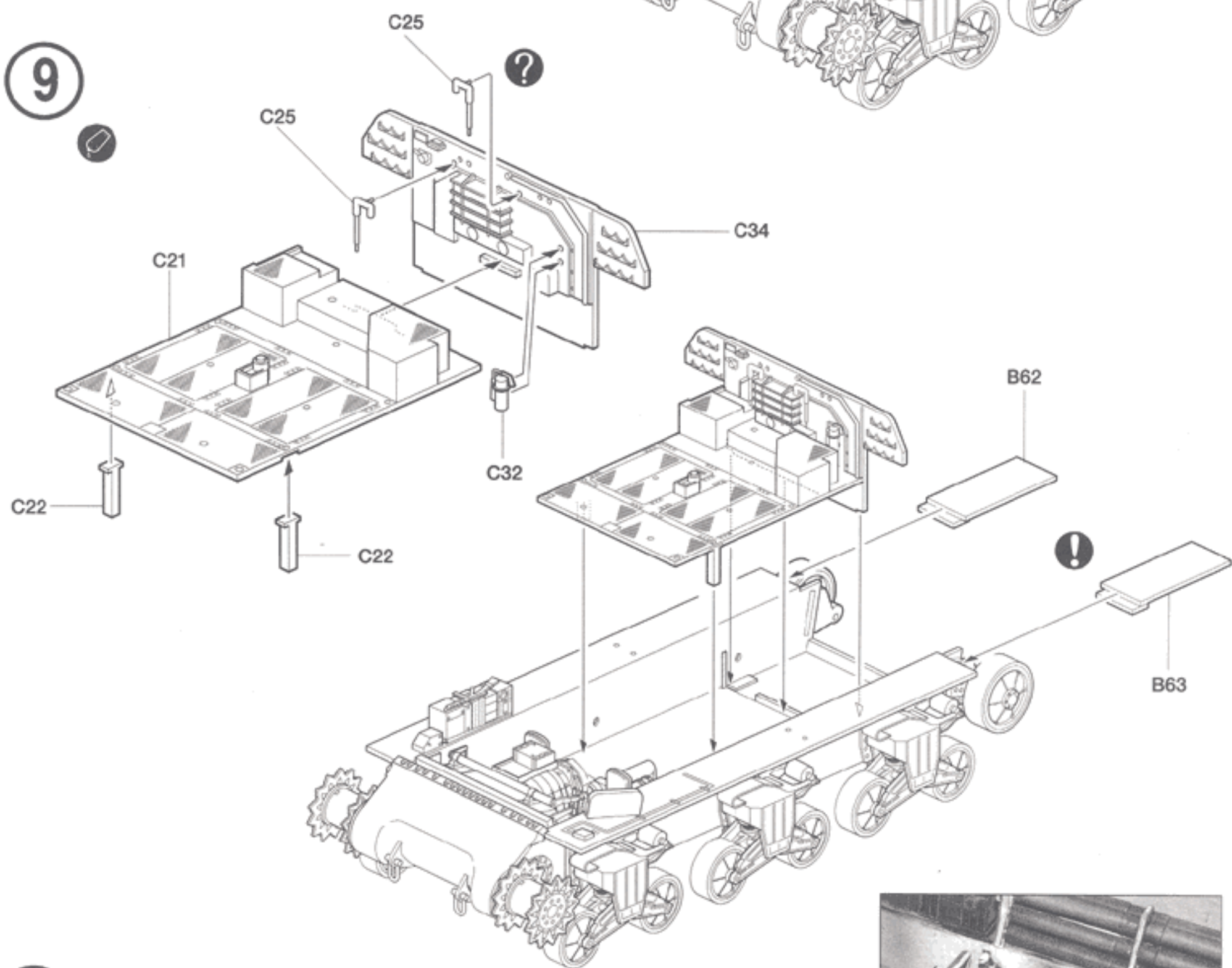
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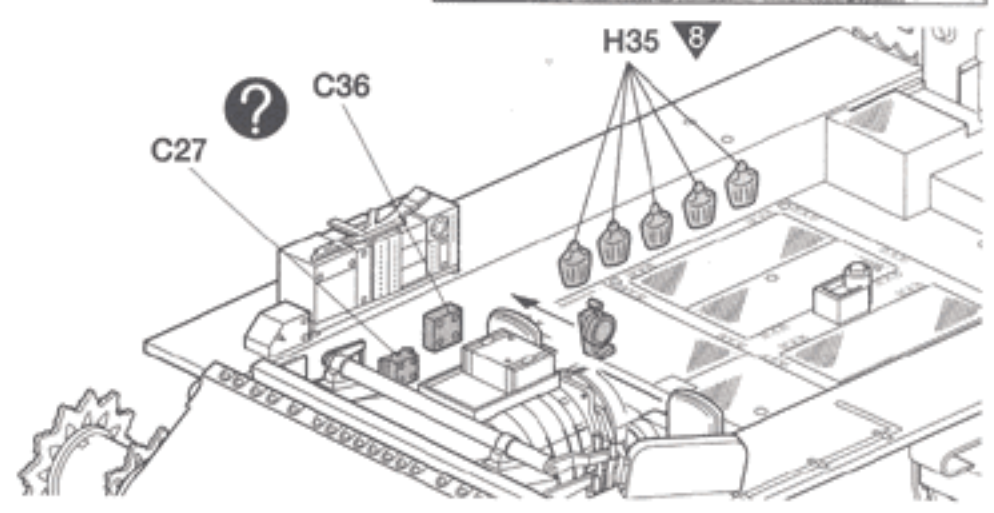
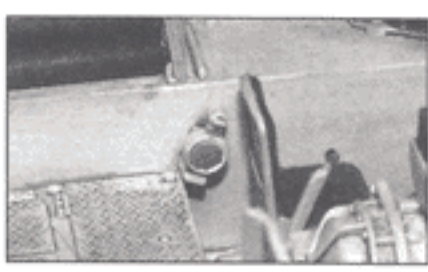
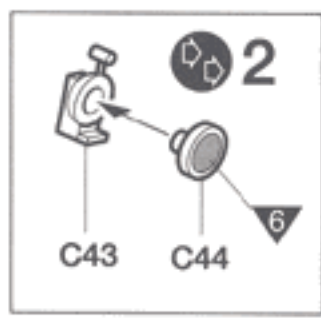
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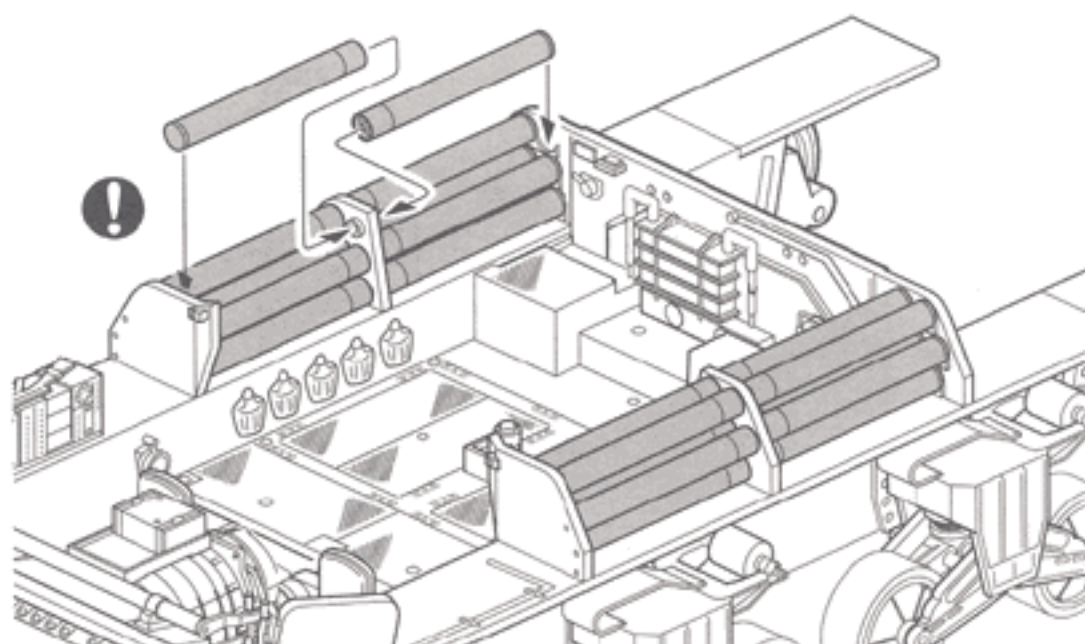
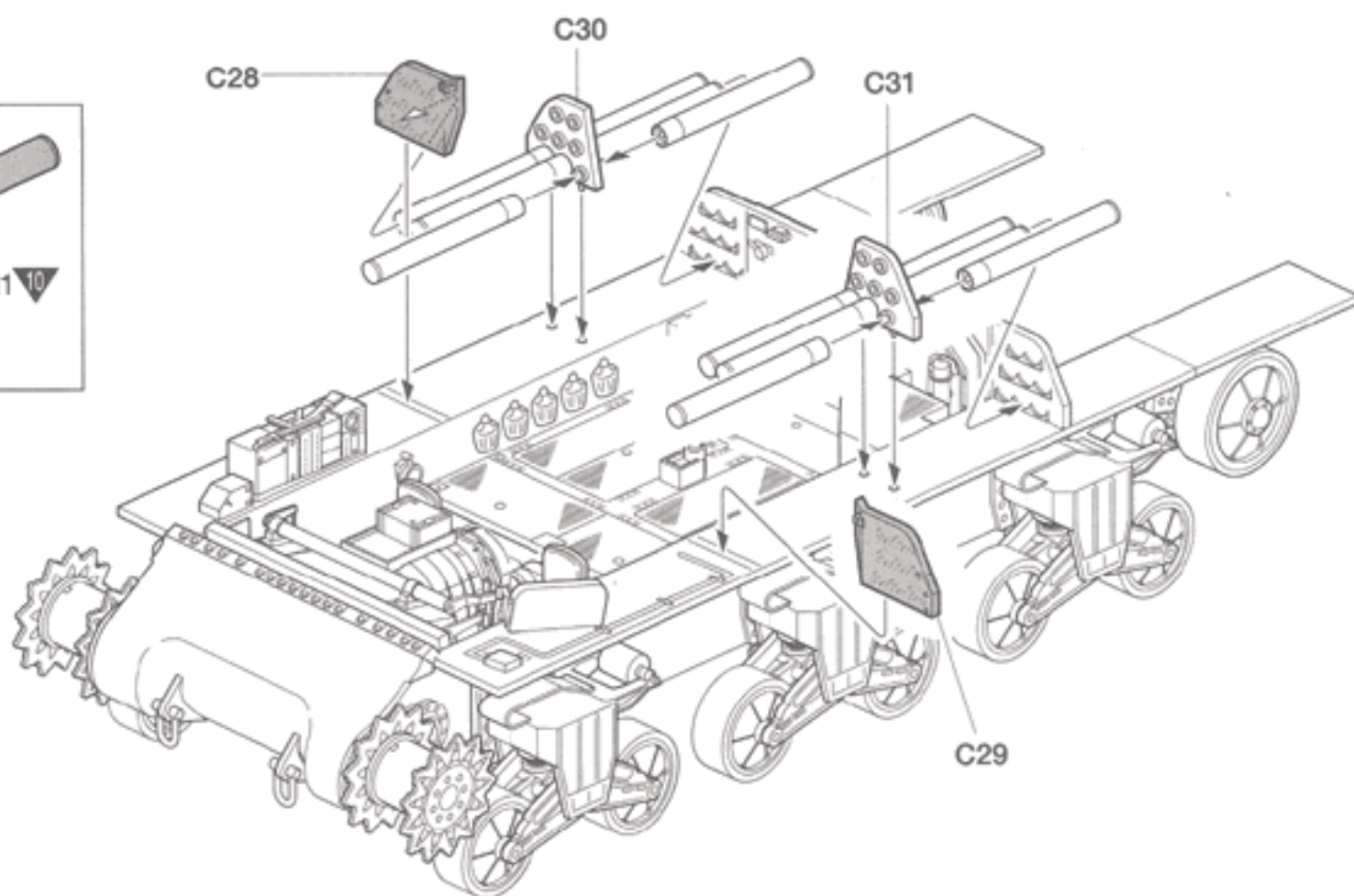
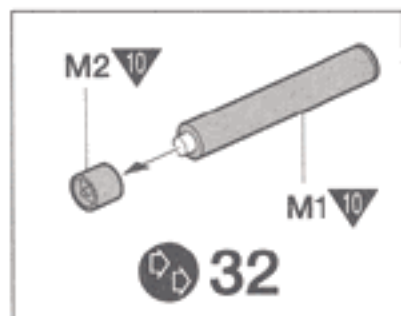


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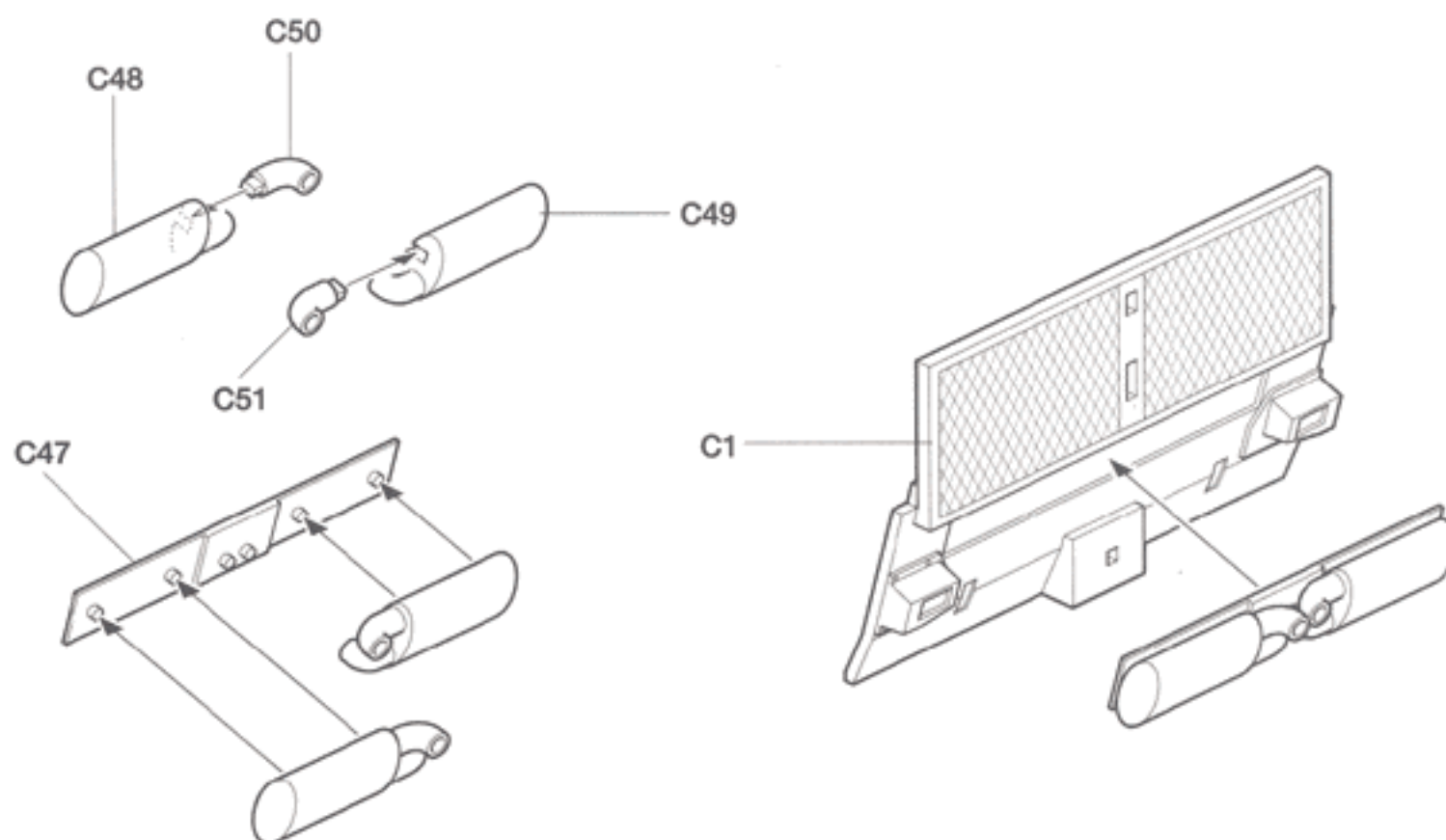




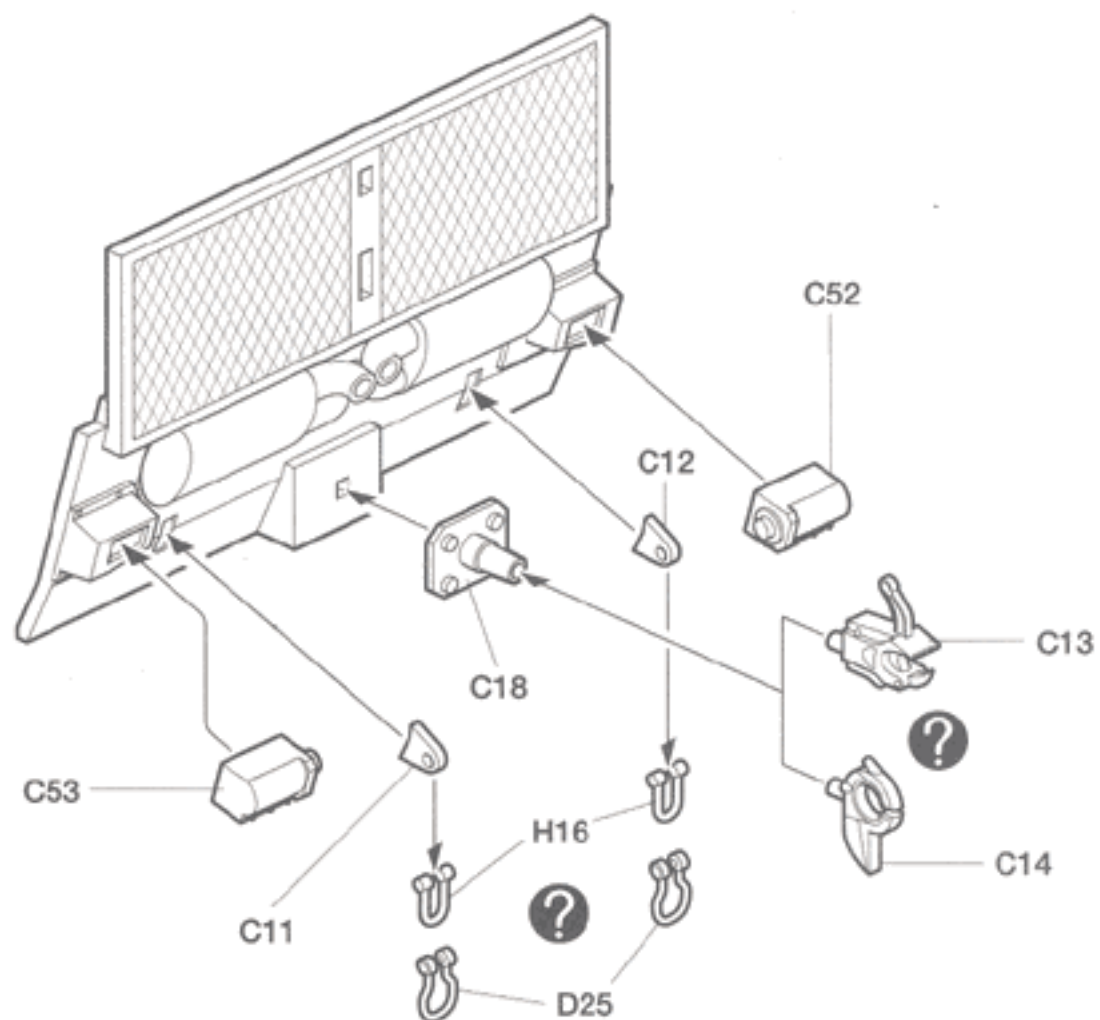
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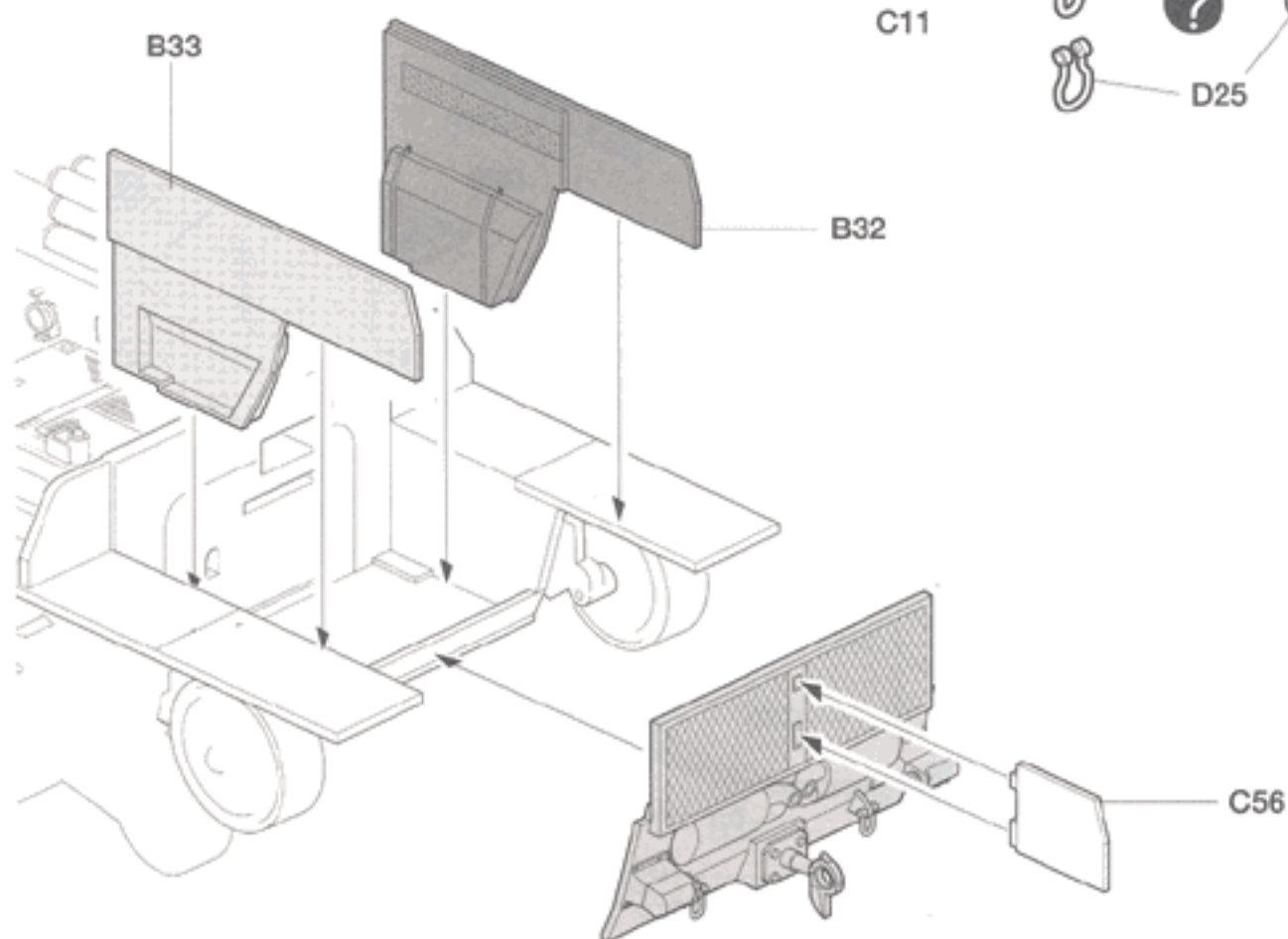
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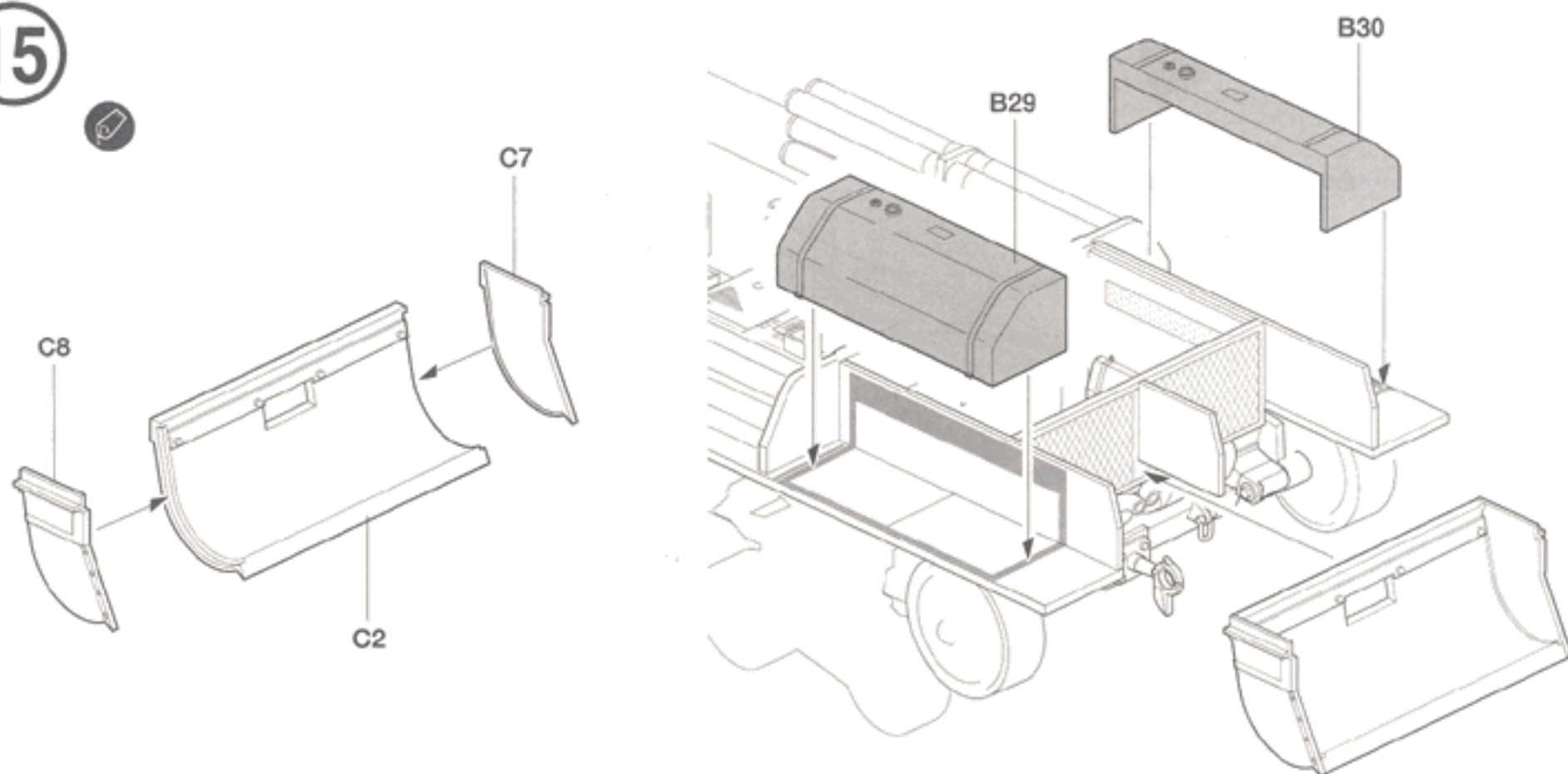
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14

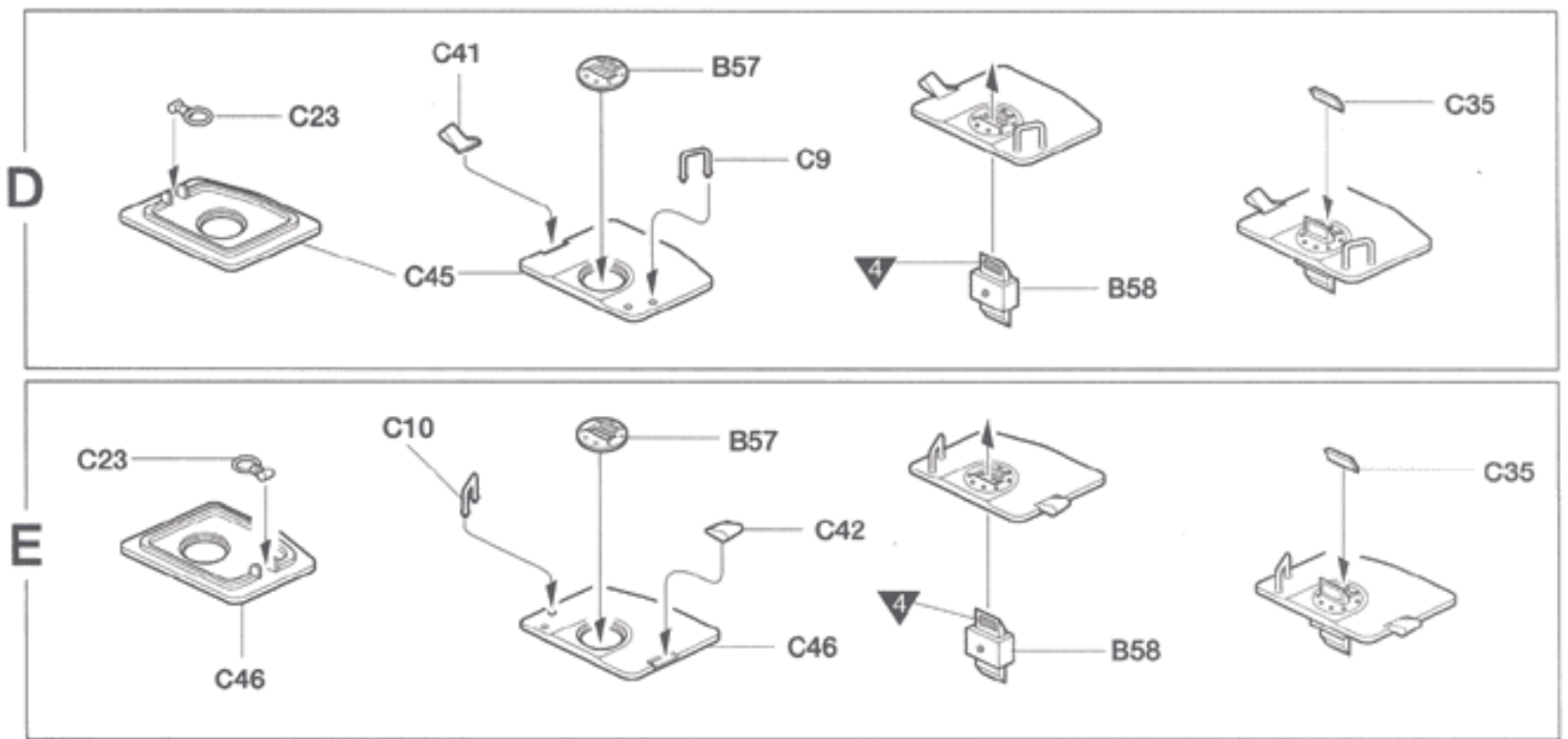


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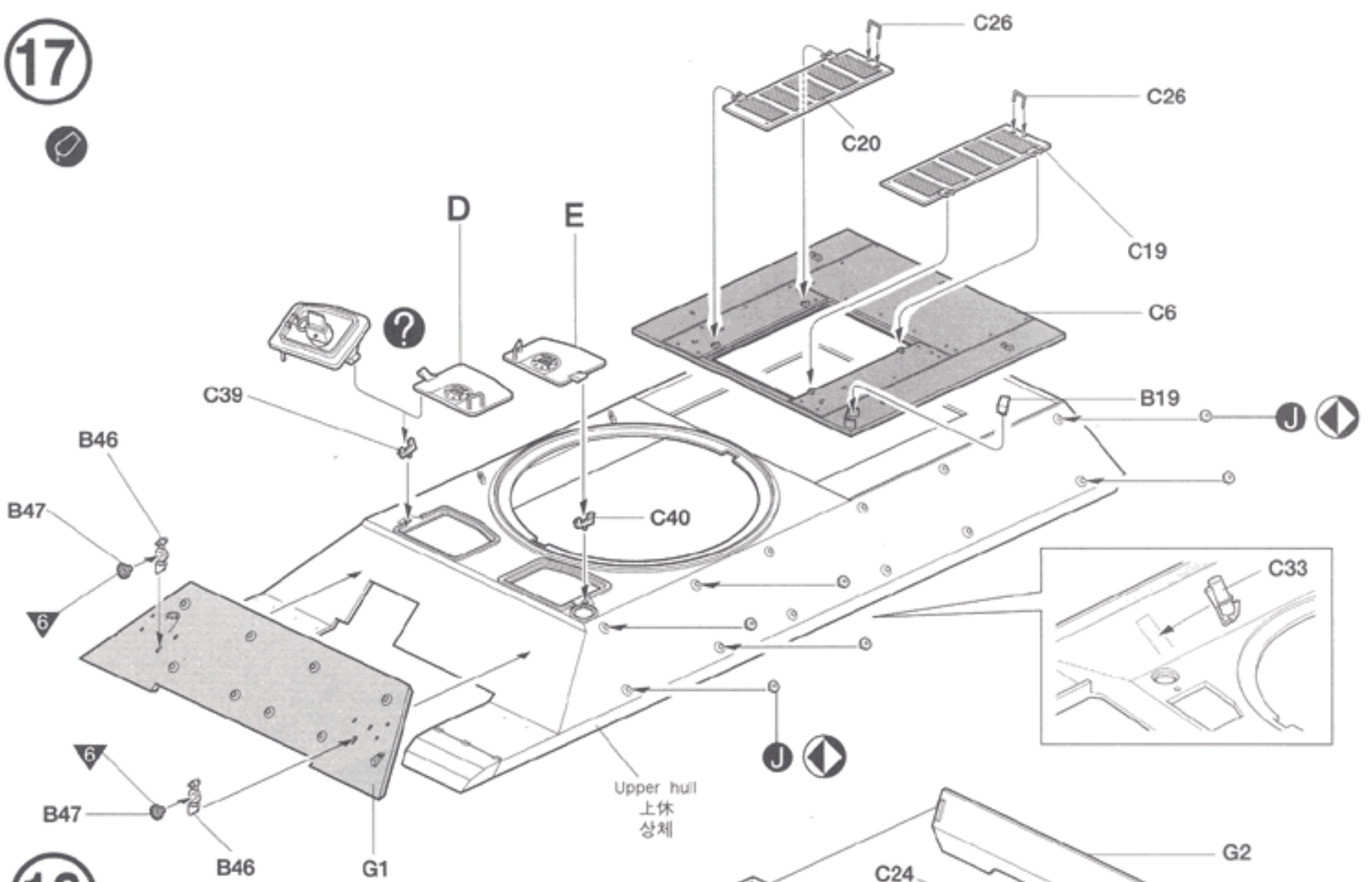




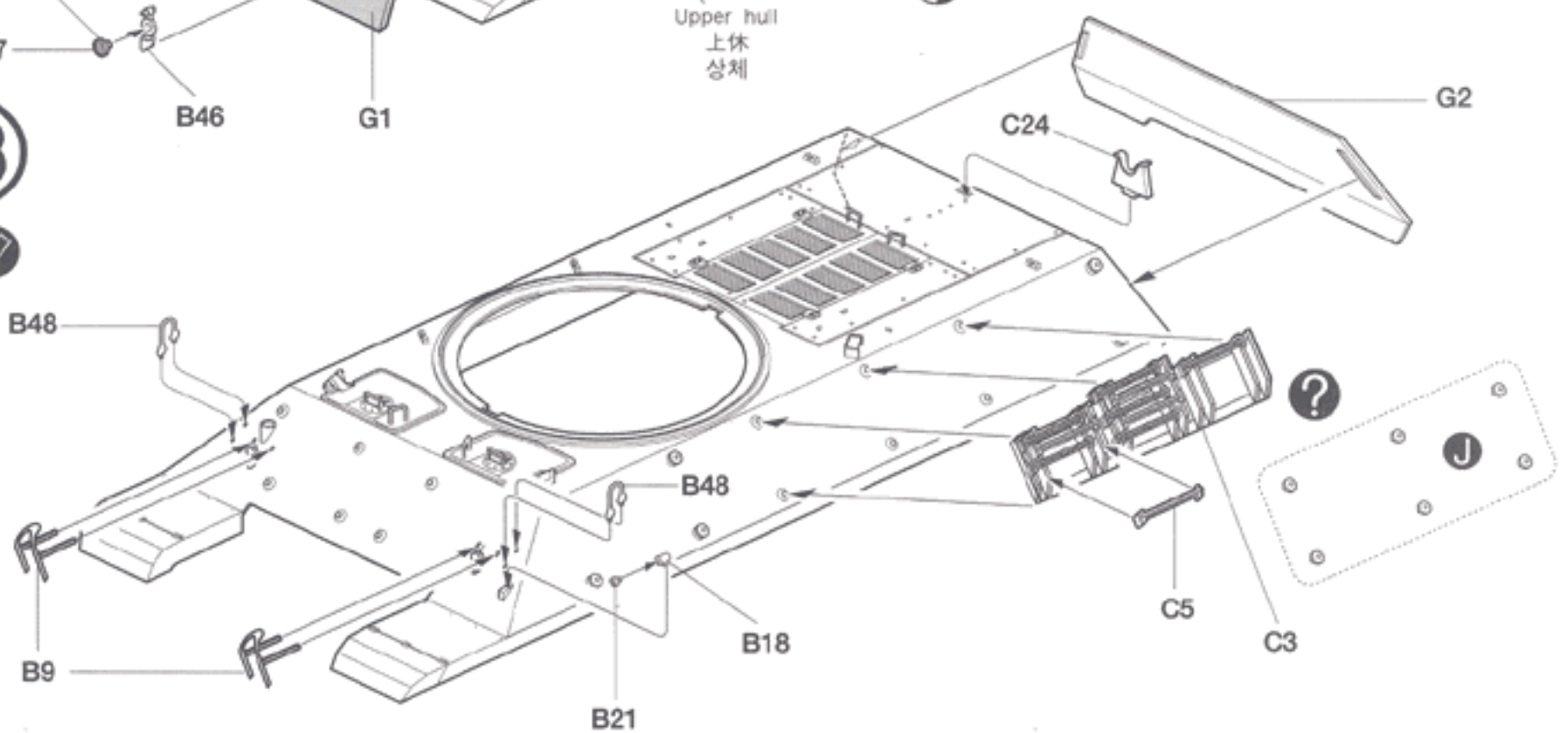
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17

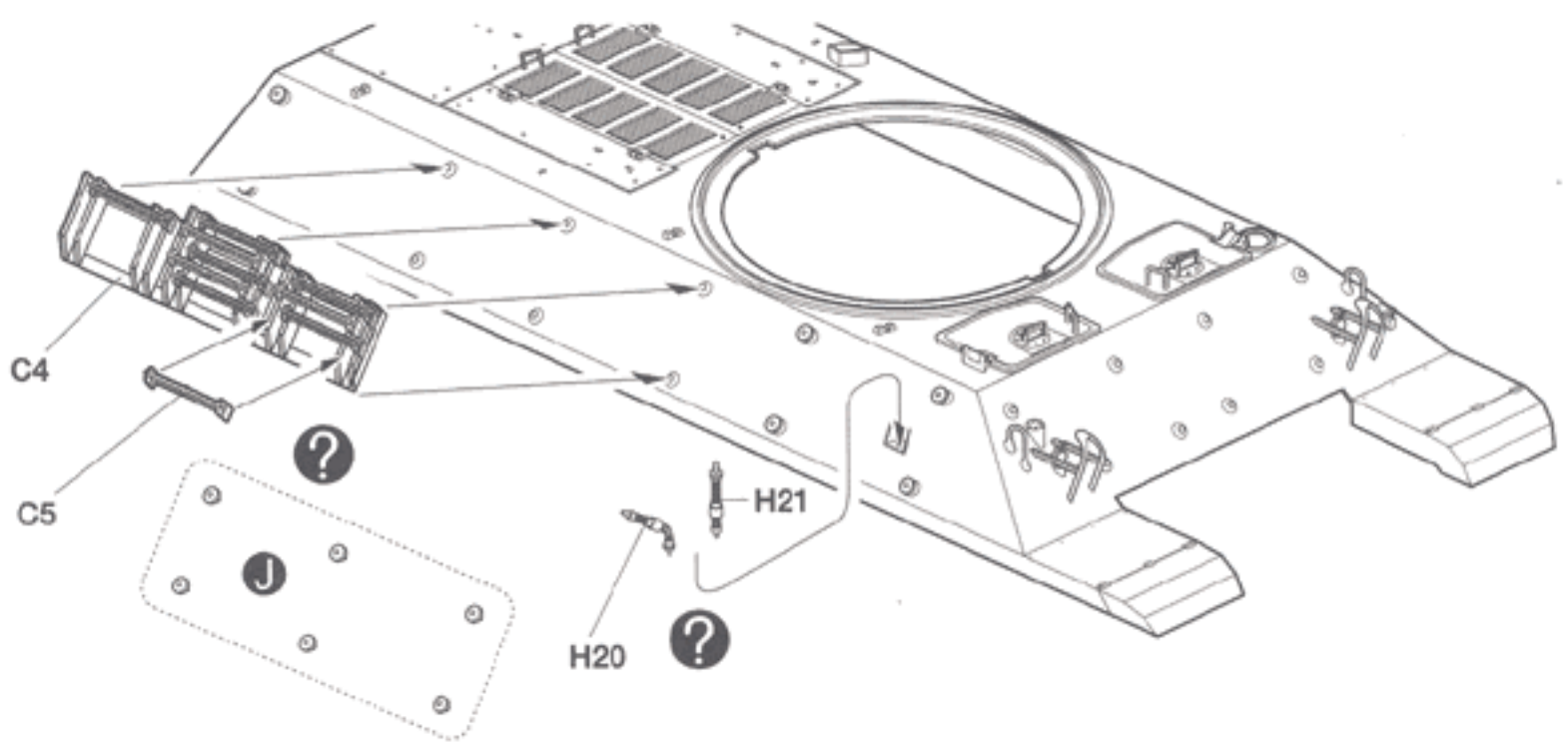


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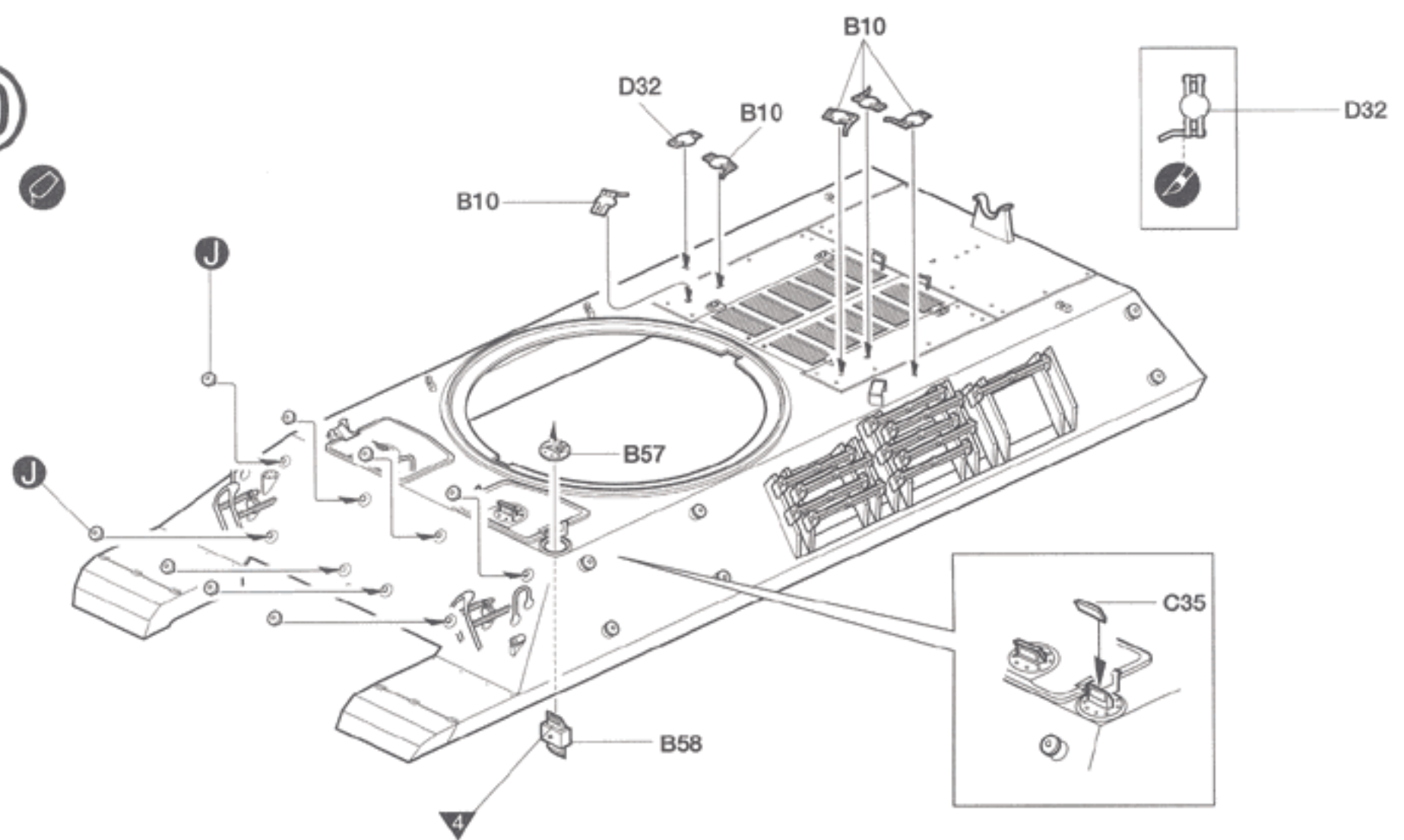




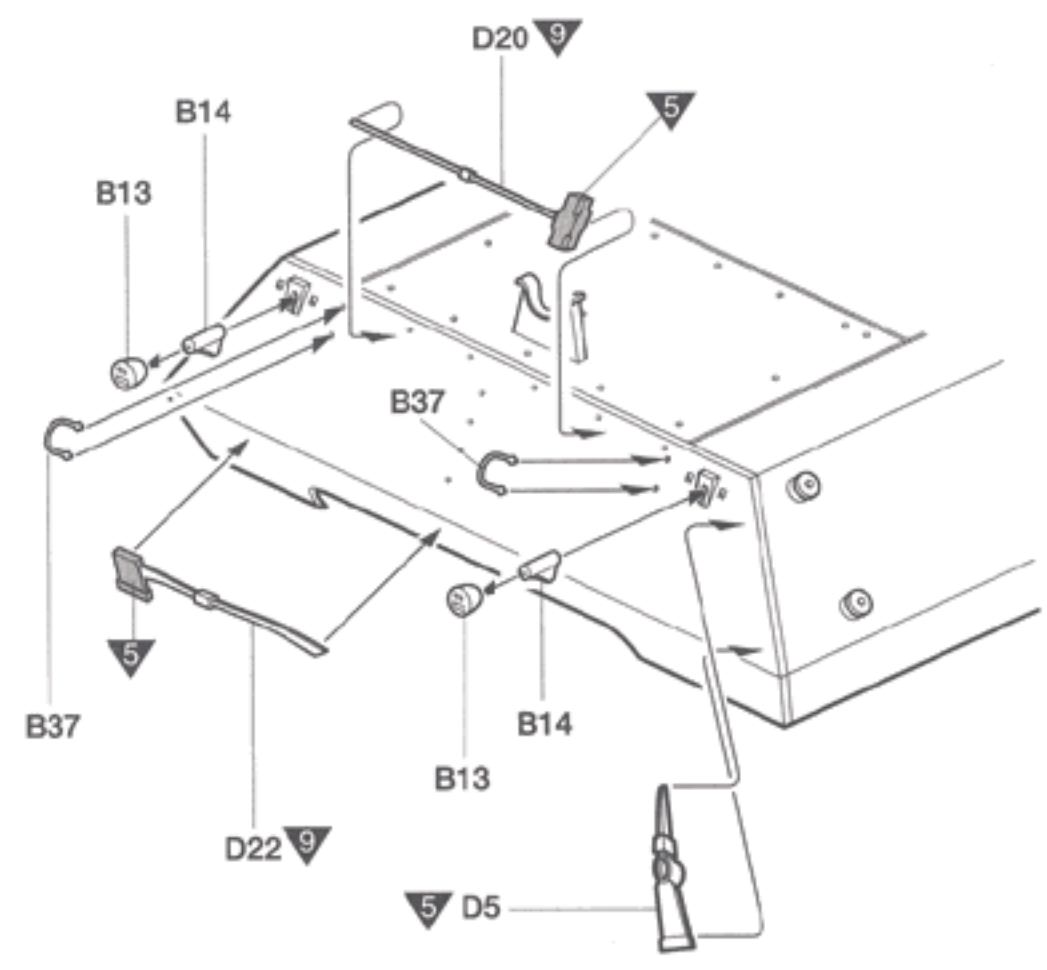
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20

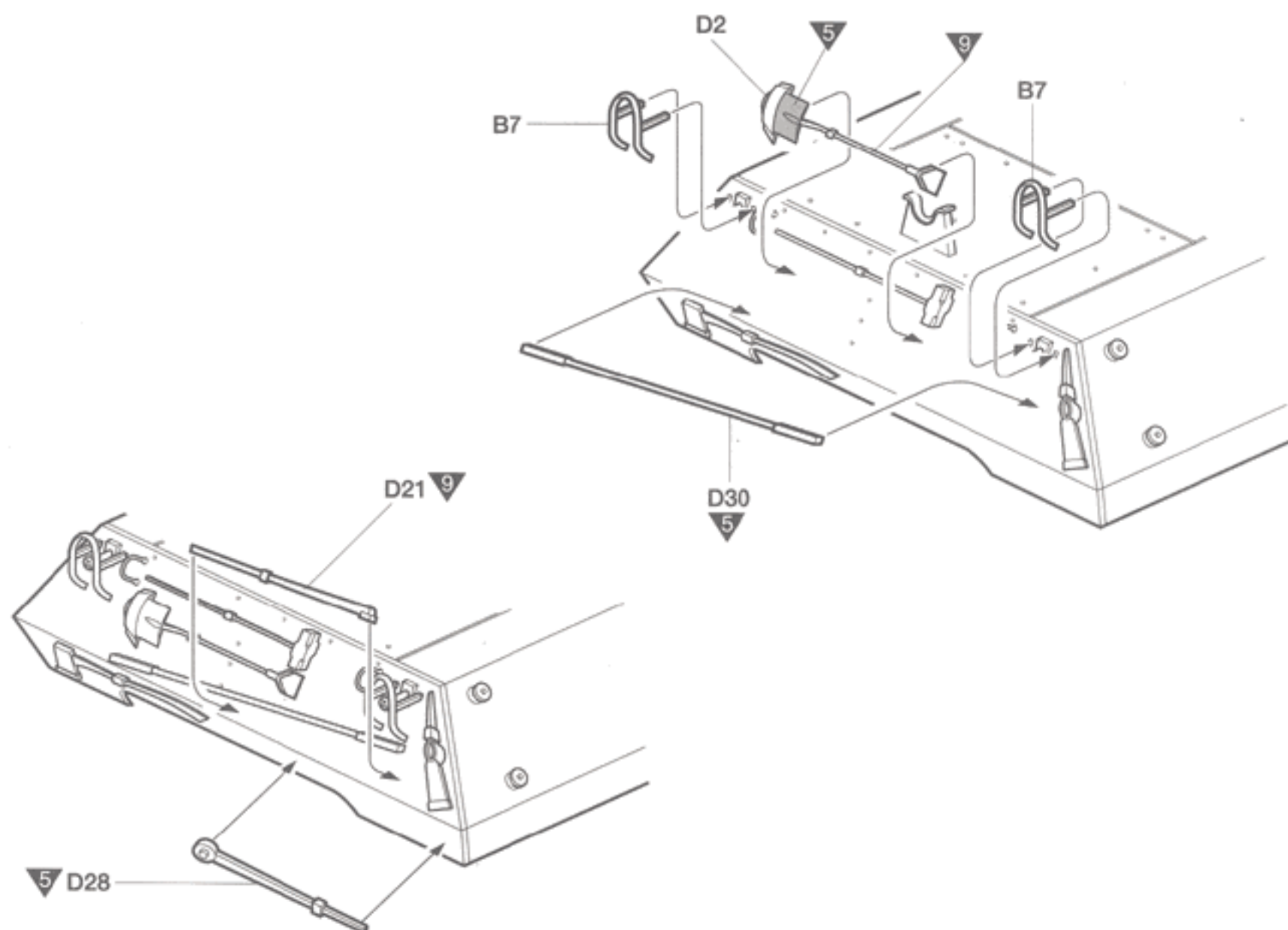


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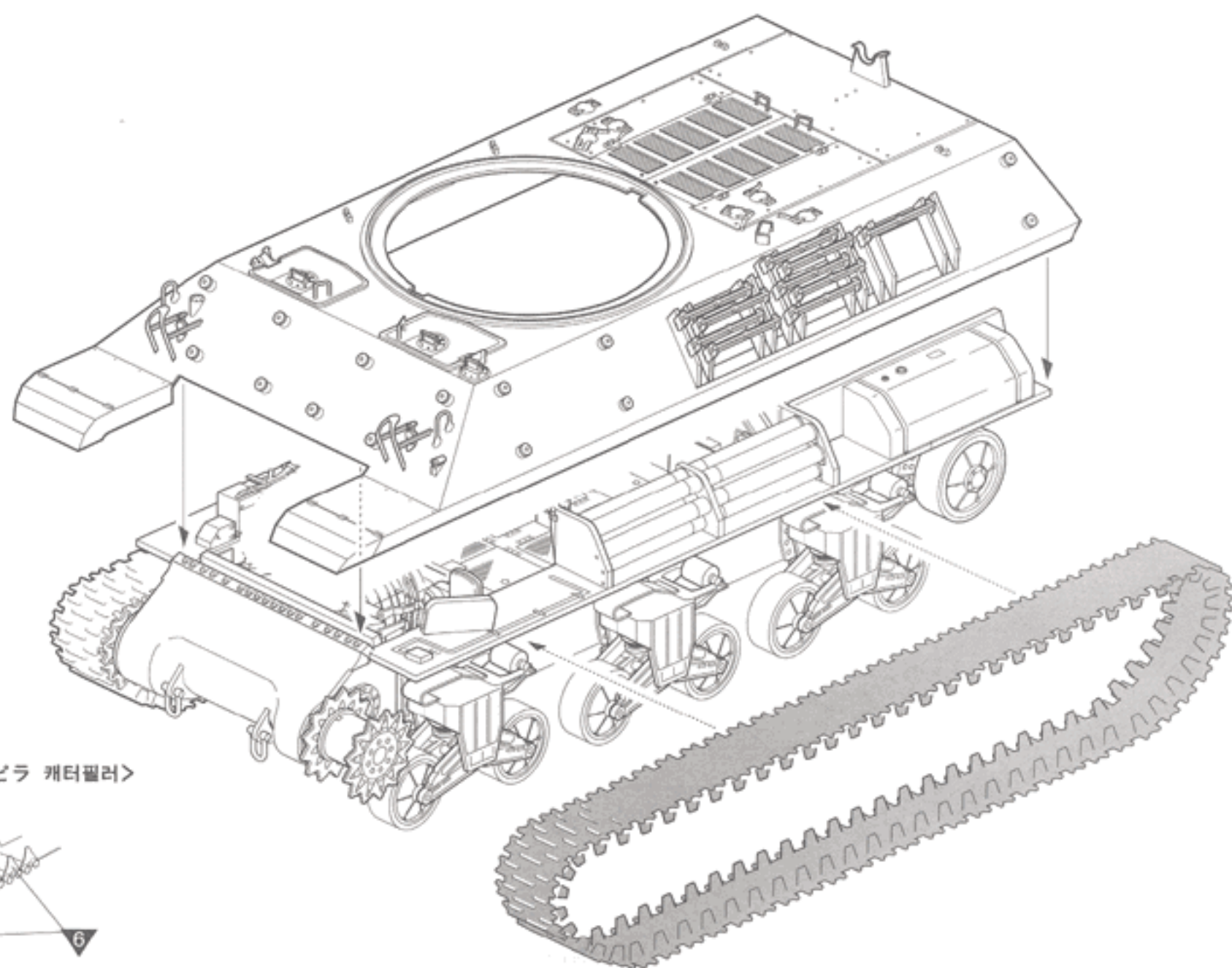




22



23



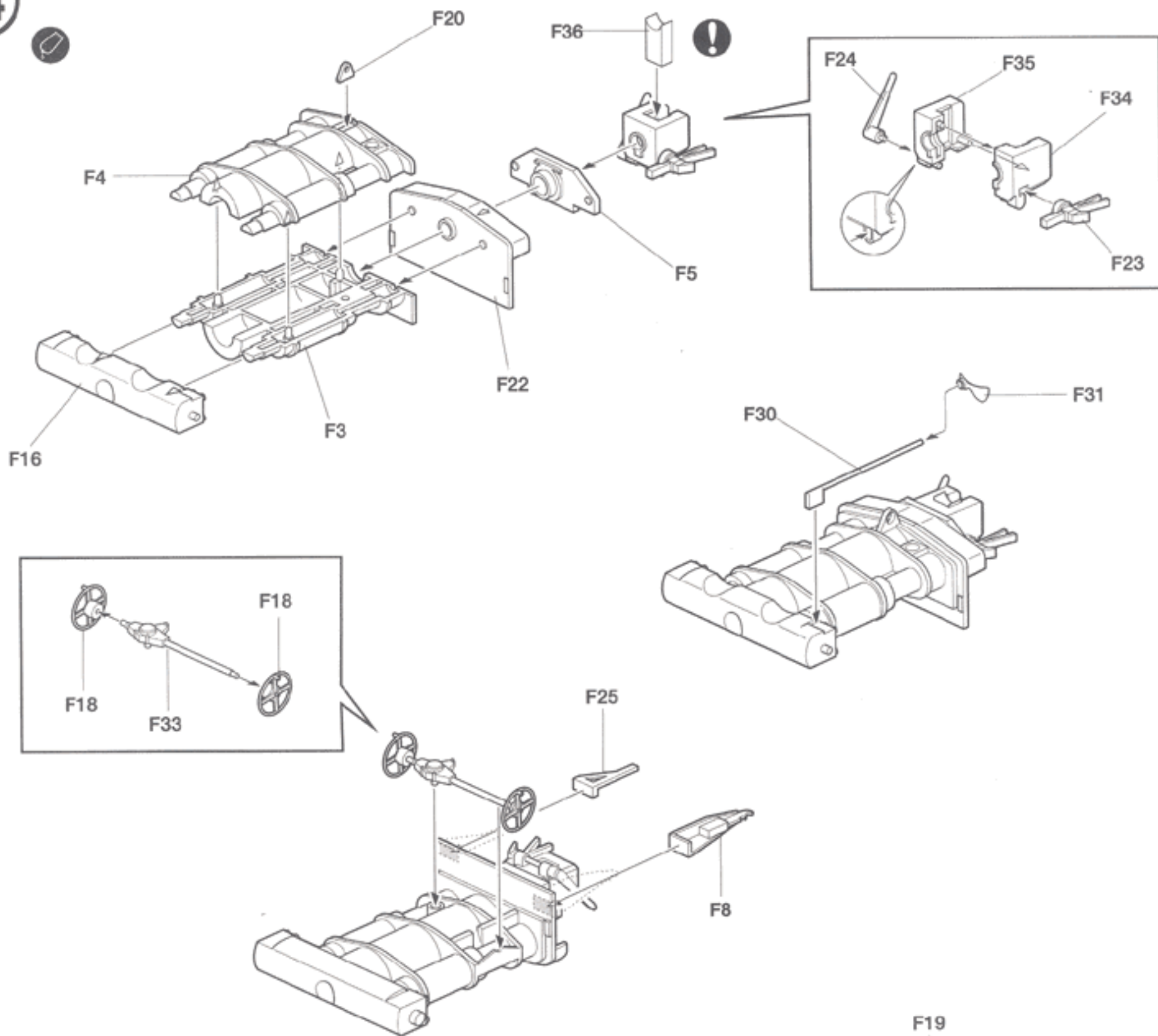
<Tracks キャタピラ 캐터필러>



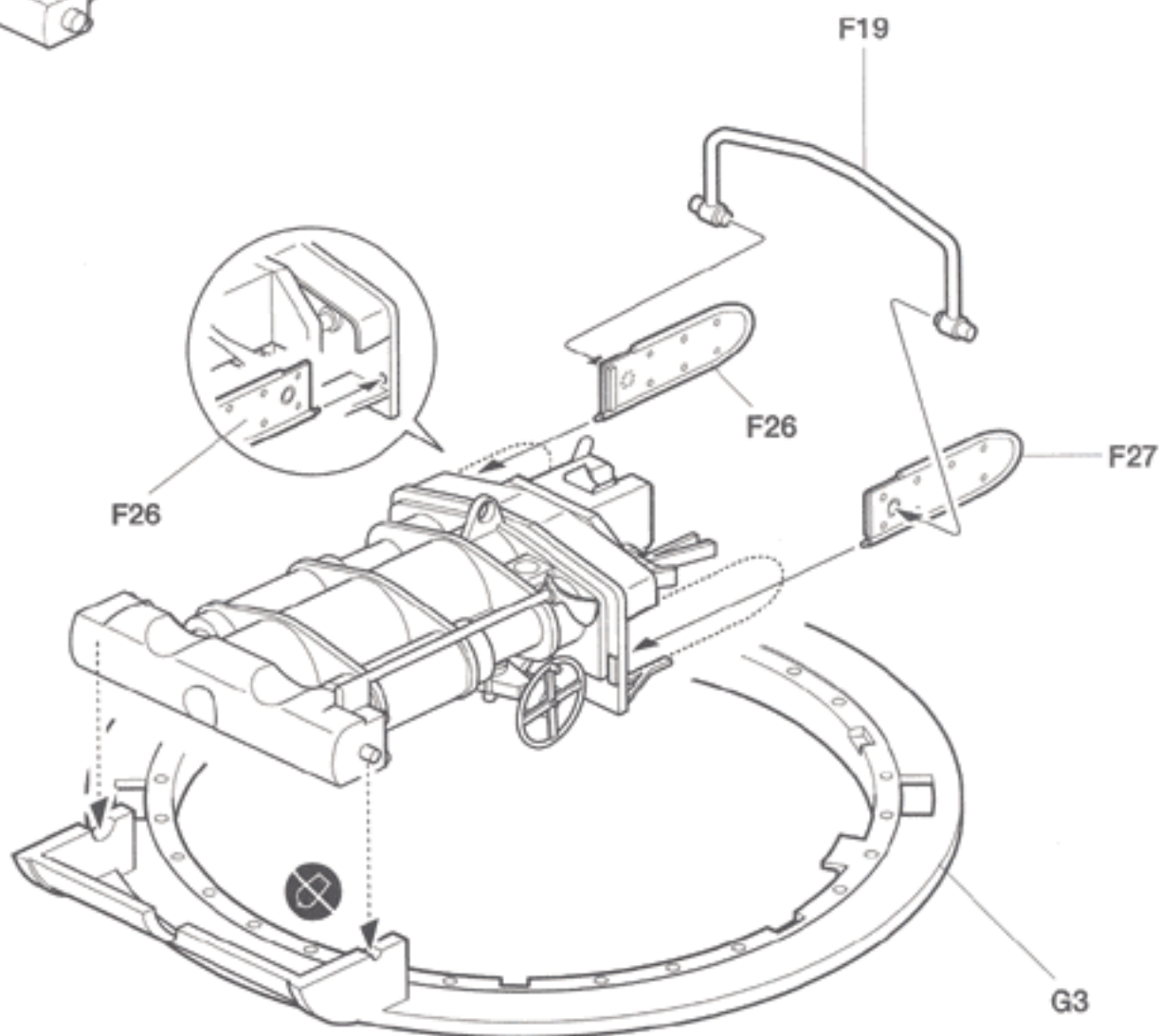
\* Melt pins together with a heated screw driver.  
 \* 볼에 달군 드라이버 등으로 핀을 녹여 고정시켜 연결한다.



24



25

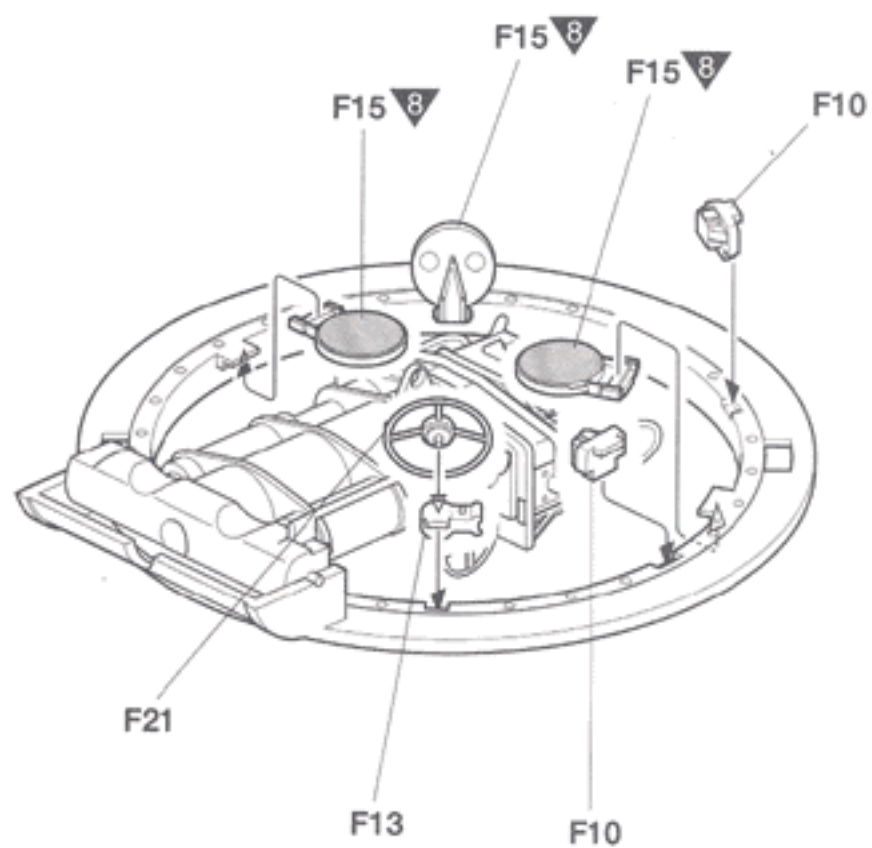


\* TURRET INTERIOR COLOR

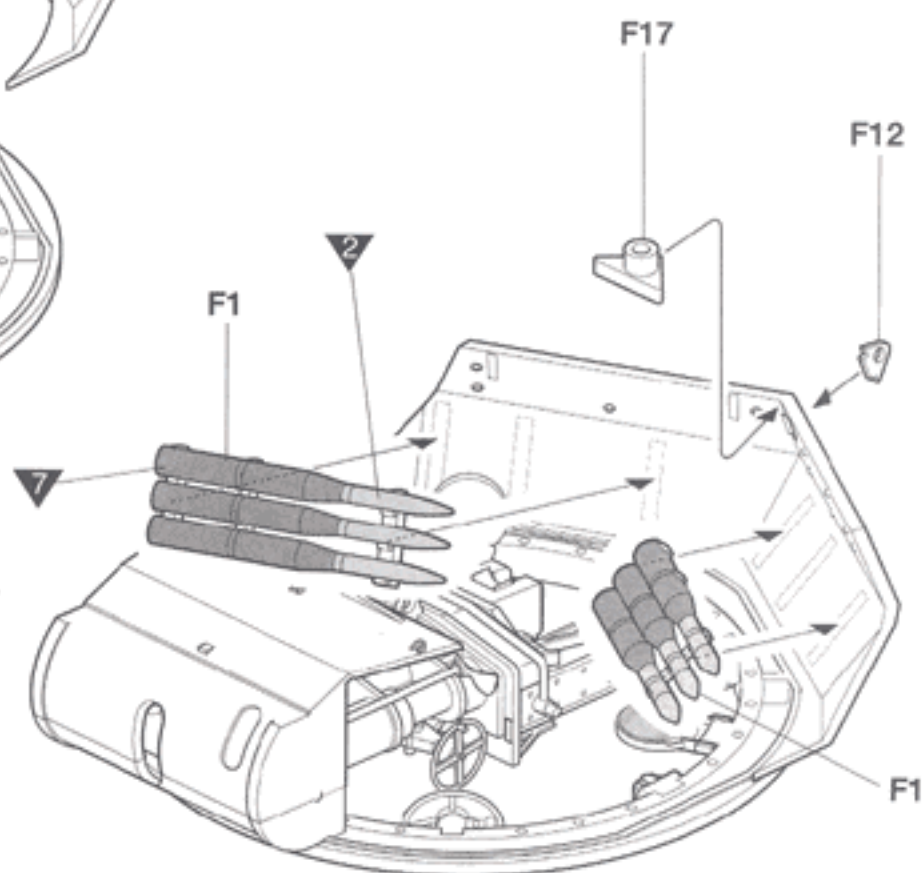
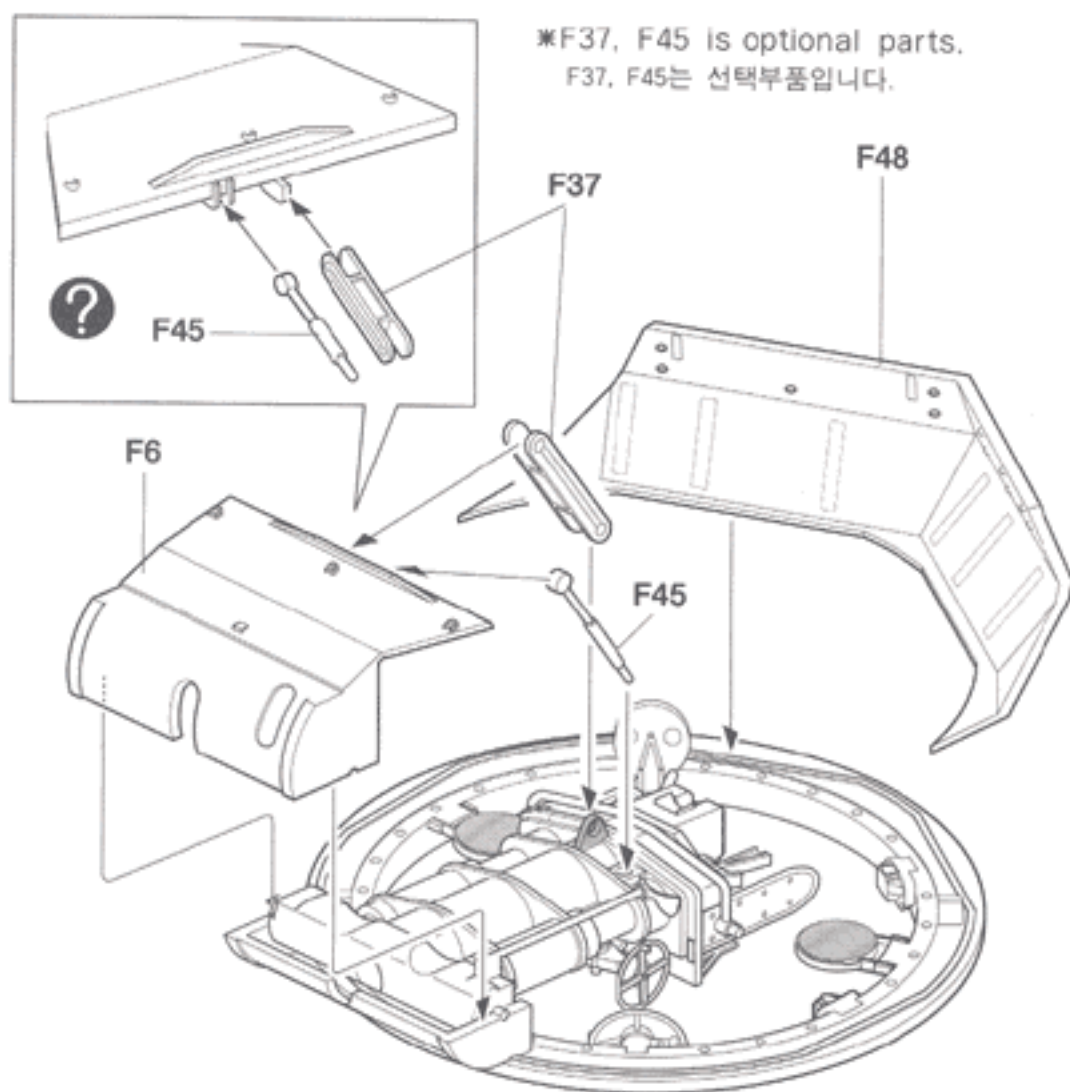
砲塔内部色 : ▼  
포탑내부색



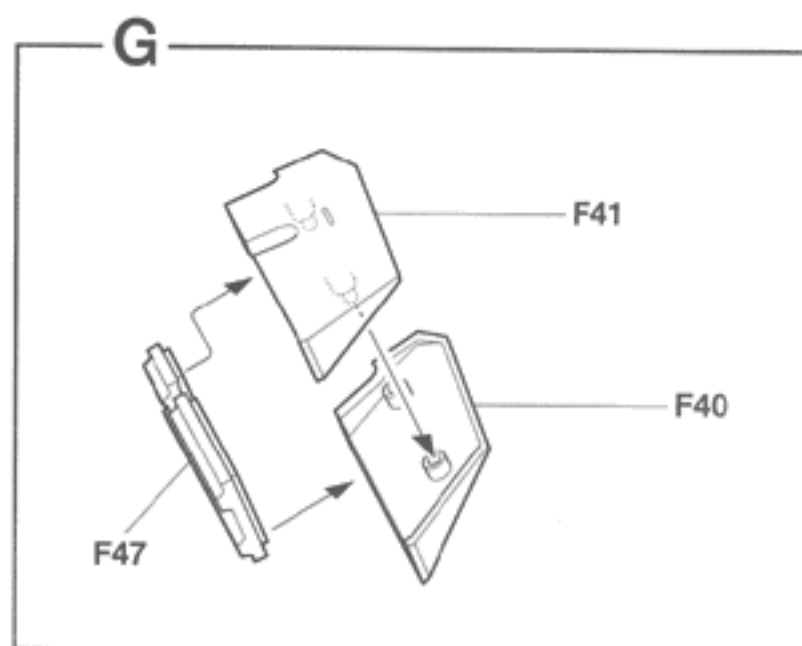
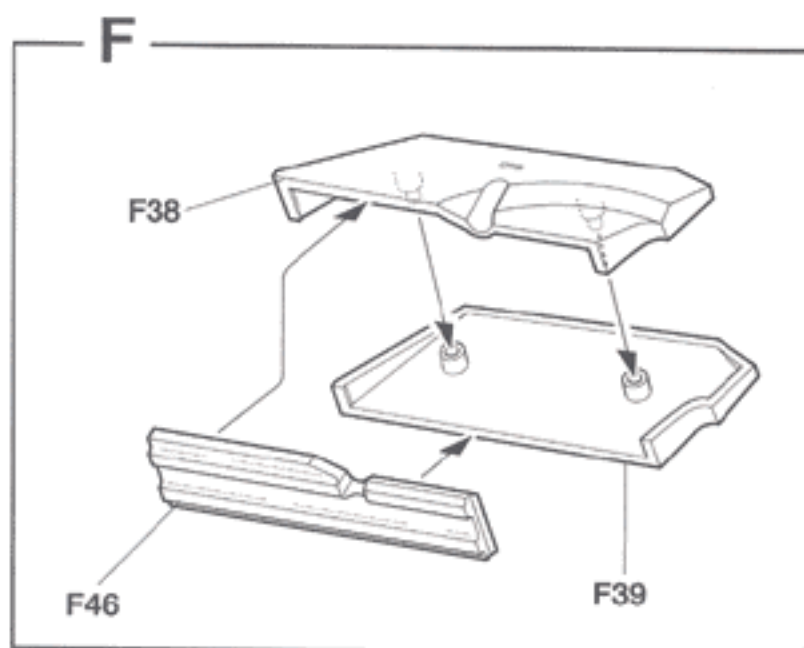
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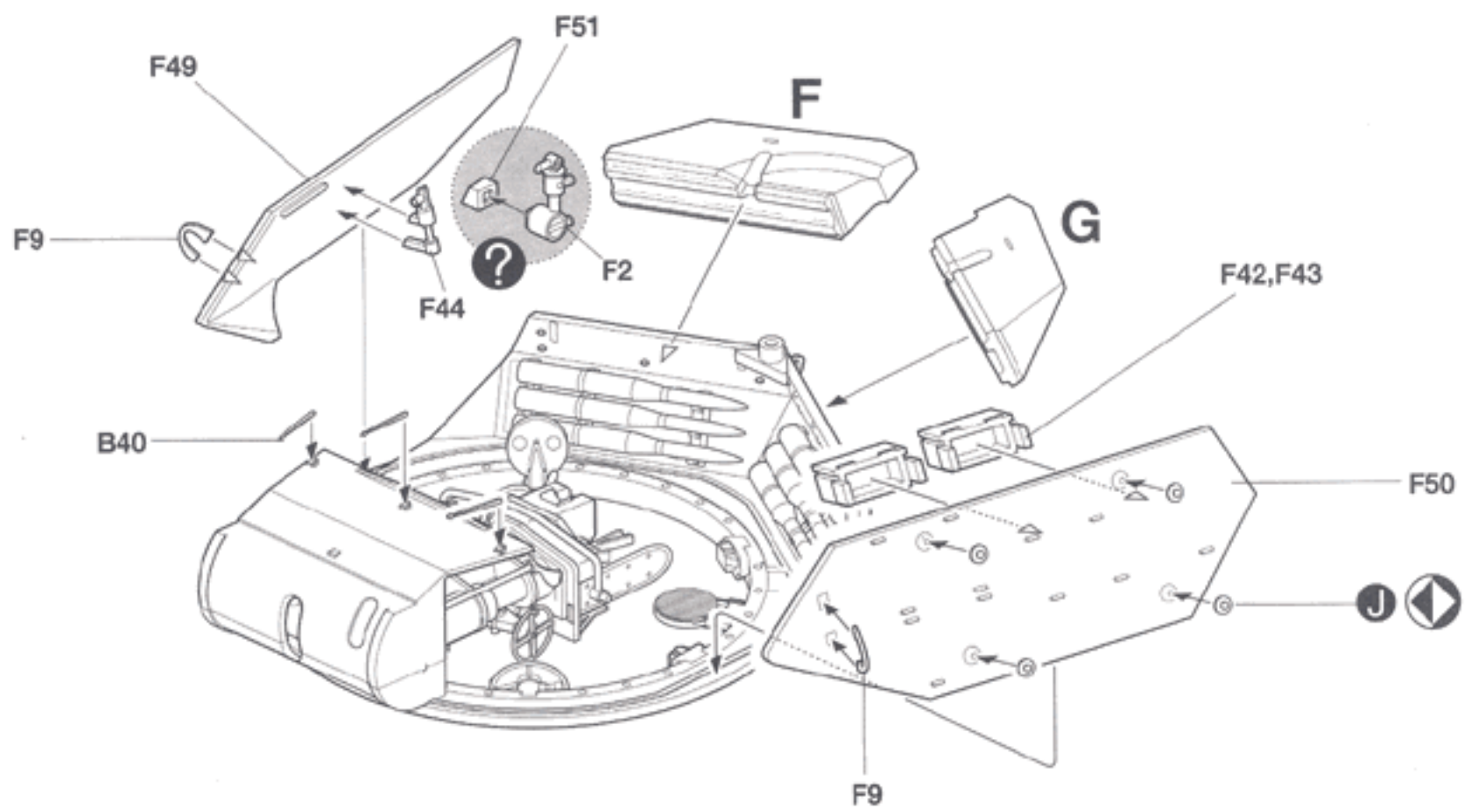


\*F37, F45 is optional parts.  
F37, F45는 선택부품입니다.

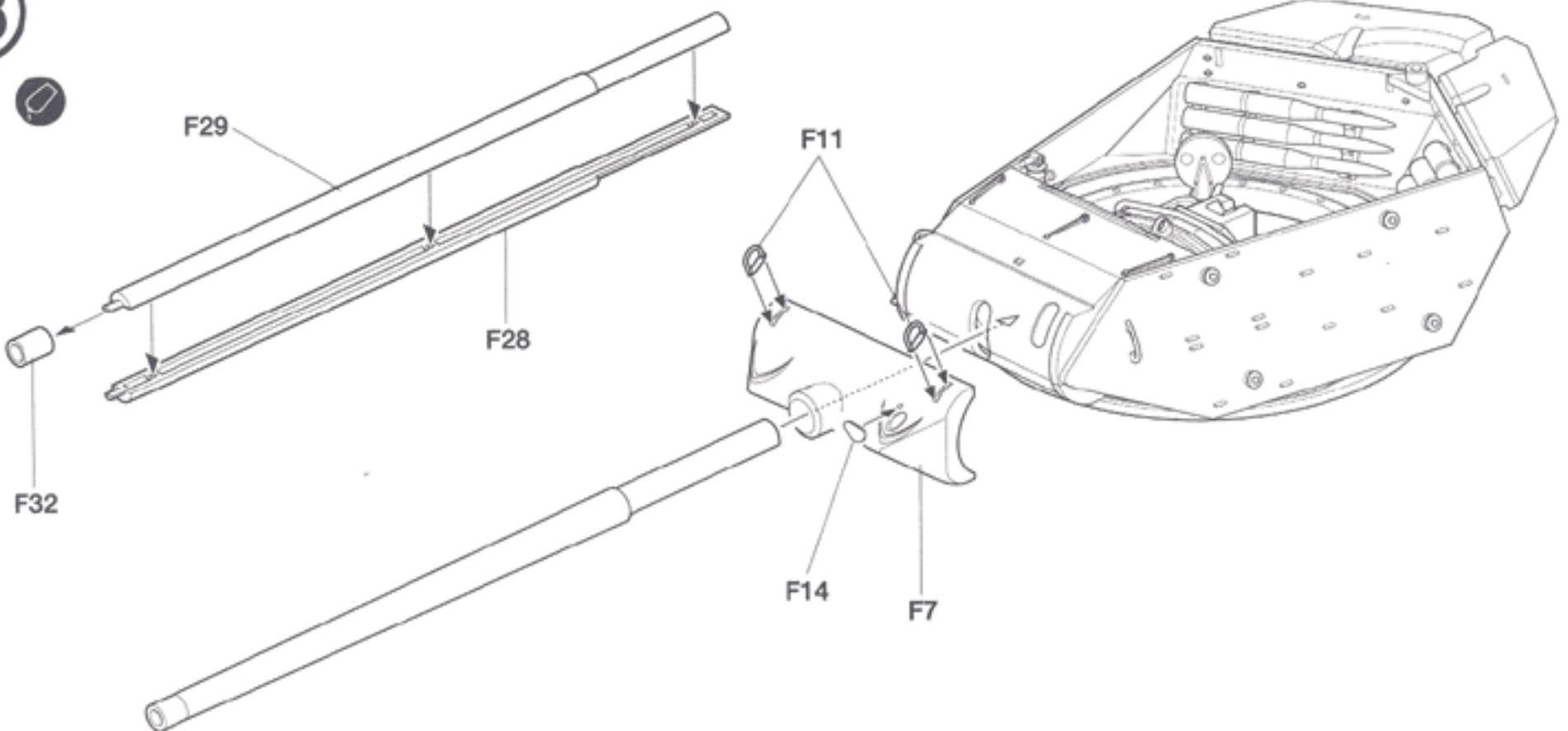


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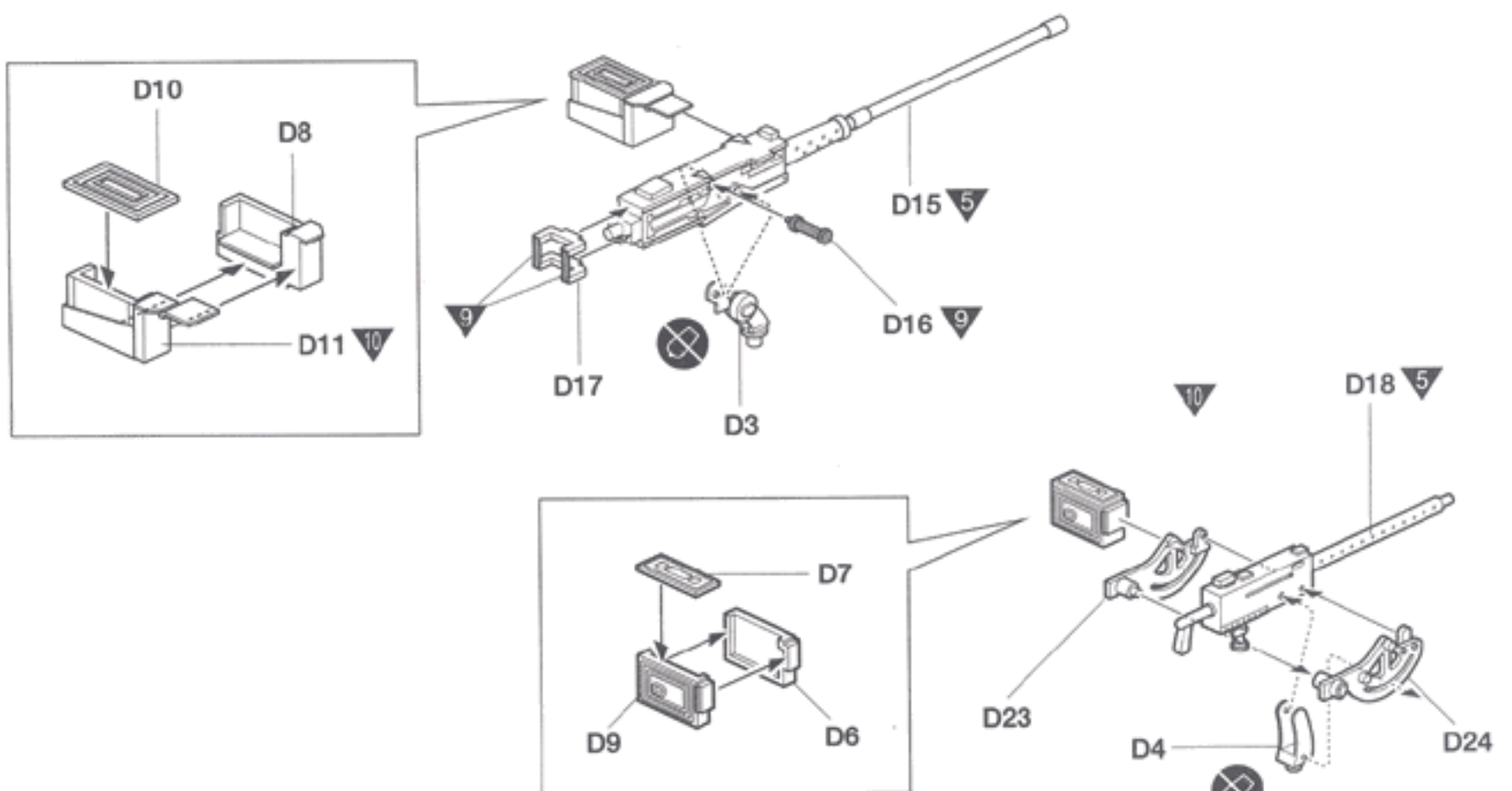




28

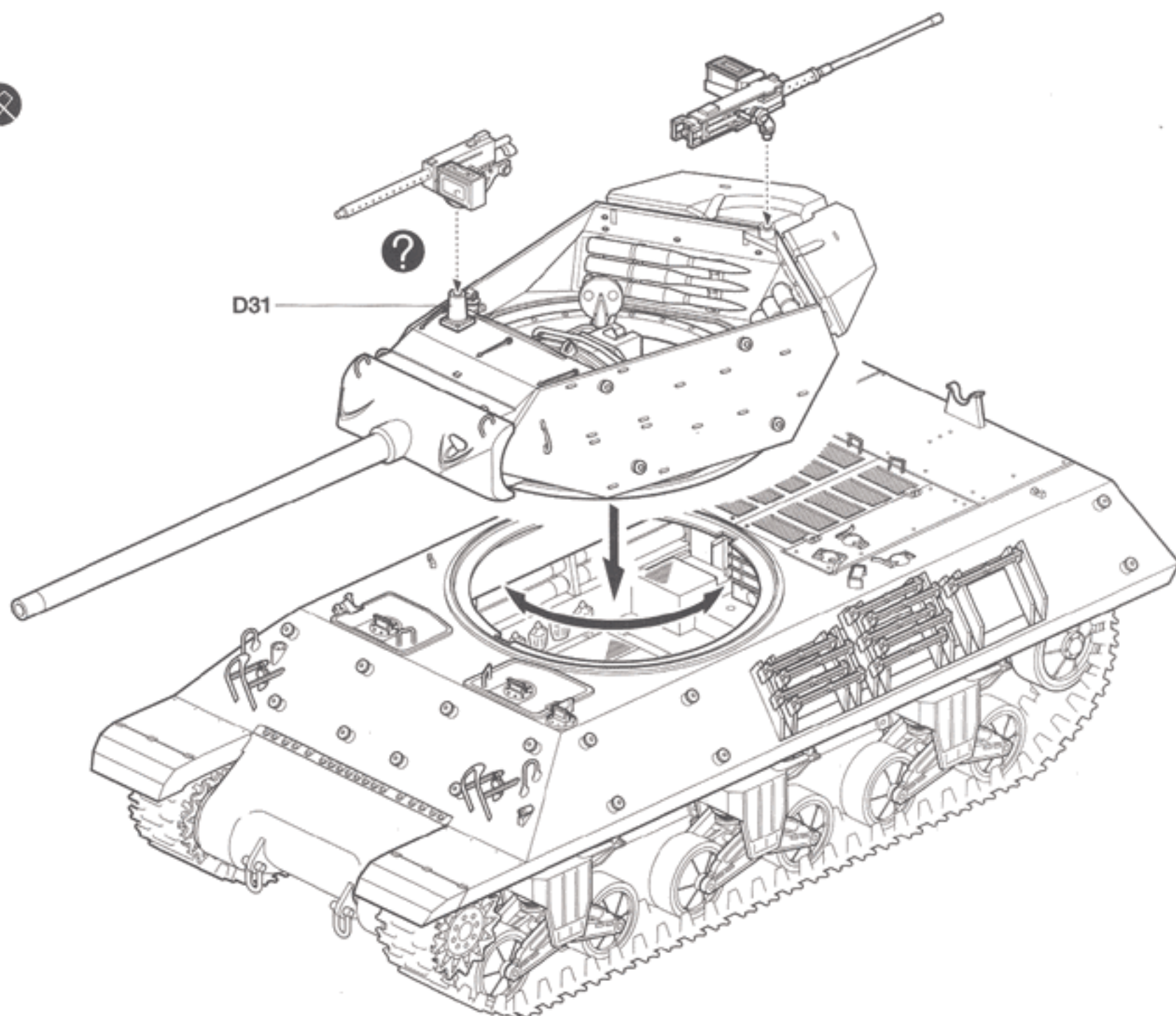


29





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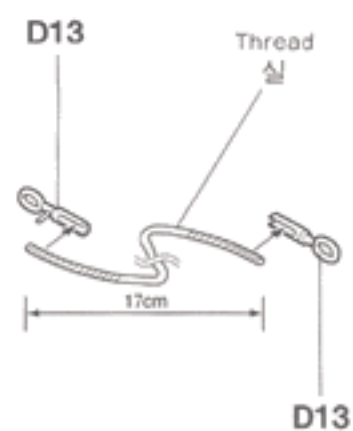
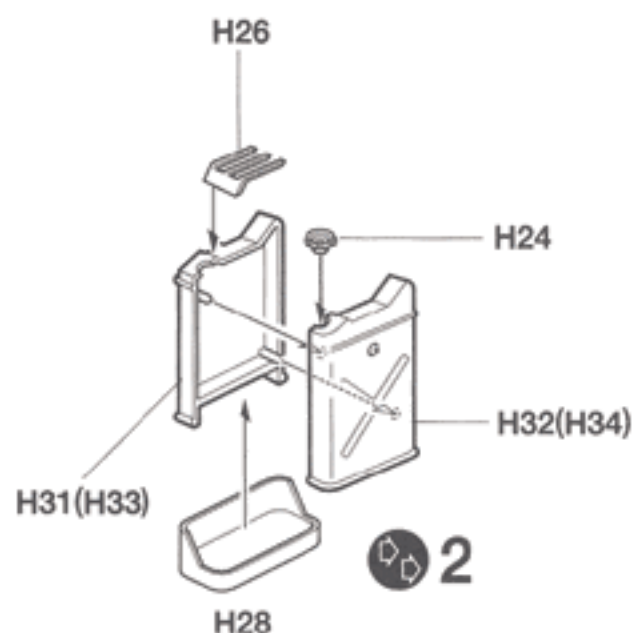
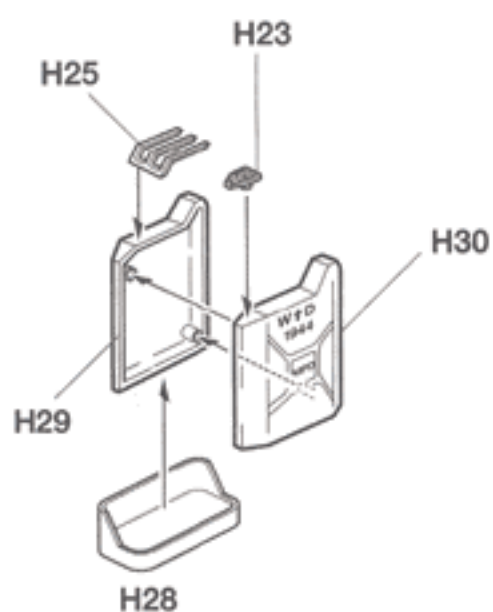
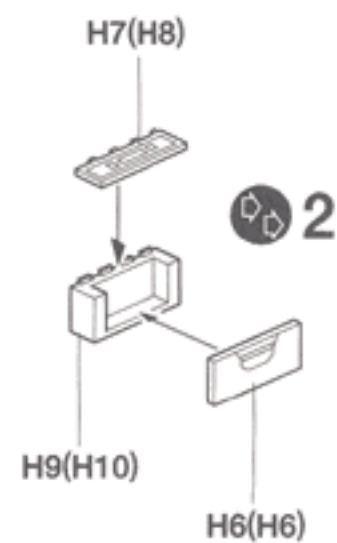
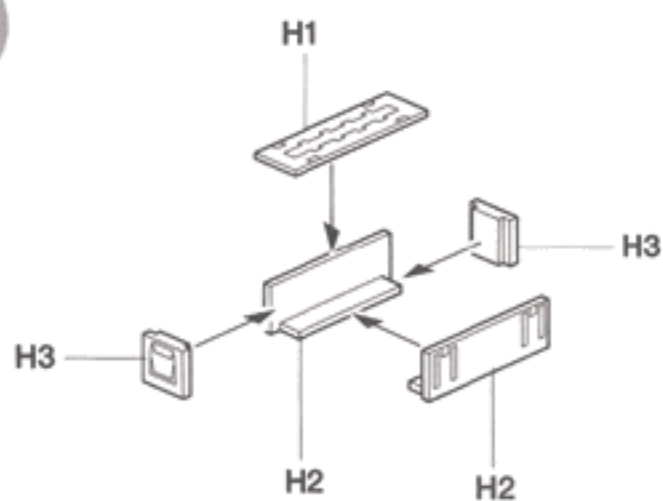
## ACCESSORY PART

액세서리부품

H38



\*An example of H38 use.  
H38의 사용예

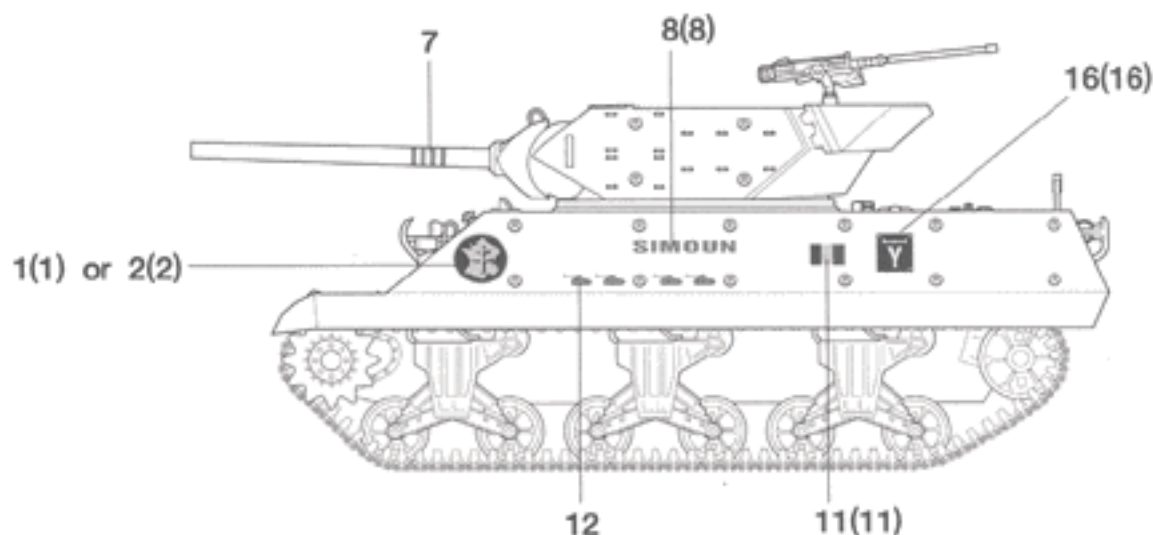


**1** France, September 1944. 1944년 9월 프랑스

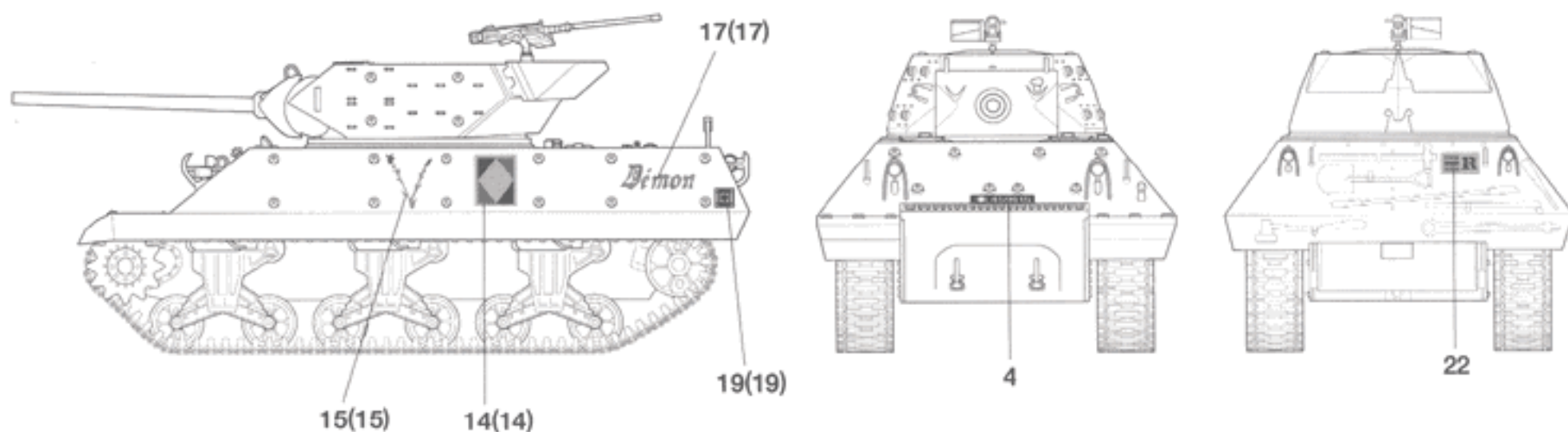
\* ( ) is opposite number.  
( )는 반대측 번호입니다.

Body Color : 10

車體色  
차체색



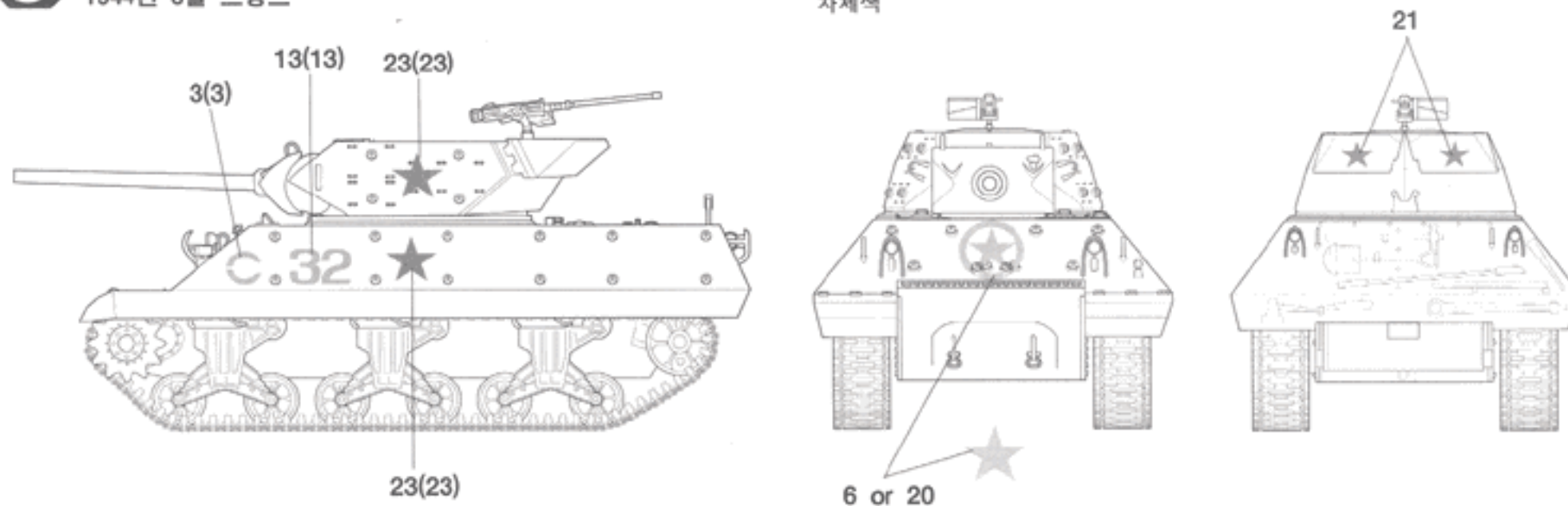
**2** Germany, January 1945. 1945년 1월 독일



**3** France, August 1944. 1944년 8월 프랑스

Body Color : 10

車體色  
차체색



**4** Anzio beachhead, May 1944. 1944년 5월 안지오

