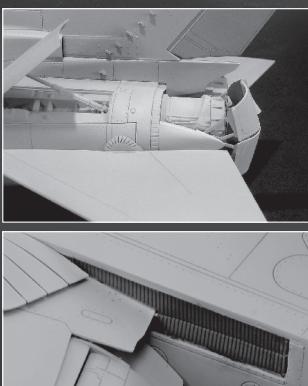
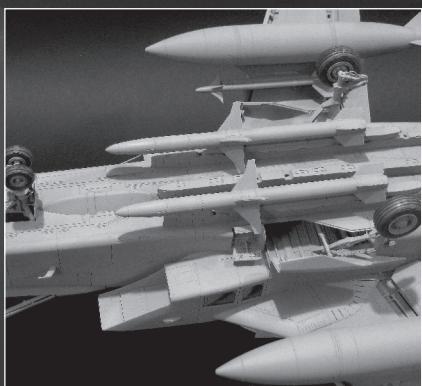
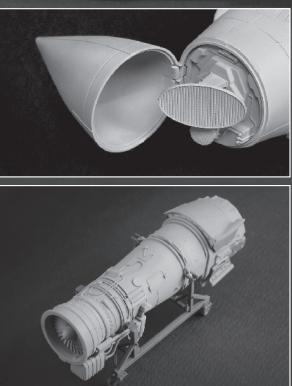
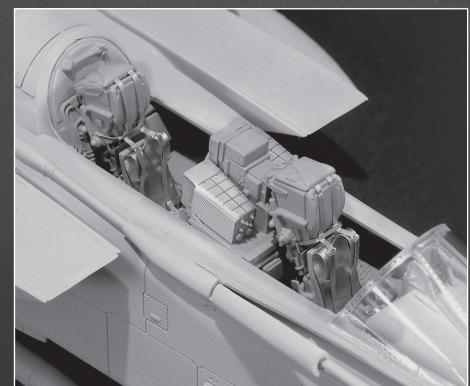


Tornado ECR

1:32 scale
échelle
No 2517 model kit
modèle réduit



instruction sheet

Tornado ECR

EN

The Tornado arose from a collaborative project between Italy, Germany, and the United Kingdom to produce a multi-role high-performance combat aircraft. The primary requirement however was to develop a 'state of the art' modern aircraft able to perform low-altitude penetrating strike missions. This need was met by the development of a twin-engine combat aircraft with a variable-sweep wing. The Tornado IDS (Interdictor / strike) was the first version to be released by the British Royal Air Force and designated GR.1 Tornado IDS (Interdictor / strike), an aircraft ideally suited to attack roles, was the initial version used by the Flight Squadrons of the three countries that developed the plane, the Italian Aeronautica Militare, the German Luftwaffe and the UK RAF. The Tornado ECR (Electronic Combat / Reconnaissance) was developed by Italy and Germany and was equipped to carry out missions that suppressed enemy air defences (SEAD), and to conduct electronic warfare and advanced reconnaissance.

IT

Il progetto del Tornado è nato dalla collaborazione di Italia, Germania e Regno Unito per la realizzazione di un aereo da combattimento multiruolo dalle alte prestazioni di volo. Venne così sviluppato un aereo bimotore, con configurazione biposto ed ali a geometria variabile per meglio rispondere al suo ruolo principale: caccia bombardiere supersonico a bassa quota in grado di "seguire" il profilo del terreno. Il Tornado IDS (Interdictor/strike), ideale per le missioni di attacco, è stato il primo ad essere impiegato dai reparti operativi di volo dei tre Paesi che svilupparono il progetto. Dal progetto originario venne realizzata anche la versione ECR (Electronic Combat/ Reconnaissance), impiegata dall'Aeronautica Militare Italiana e dalla Luftwaffe tedesca, equipaggiata per svolgere missioni di soppressione delle difese aeree nemiche (SEAD), guerra elettronica e ricognizione avanzata.

FR

Le projet du Tornado est né de la collaboration entre l'Italie, l'Allemagne et le Royaume-Uni pour réaliser un avion de combat multifonction avec des performances de vol élevées. C'est ainsi qu'a été développé un avion bimoteur, avec une configuration biplace et des ailes à géométrie variable pour mieux répondre à son rôle principal : un chasseur-bombardier supersonique de basse altitude en mesure de « suivre » le profil du terrain. Le Tornado IDS (Interdictor/Strike), idéal pour les missions d'attaque, a été le premier à être utilisé par les services opérationnels de vol des trois pays qui ont développé le projet. À partir du projet initial, la version ECR (Electronic Combat/Reconnaissance) a également été créée, utilisée par l'Aéronautique Militaire Italienne et par la Luftwaffe allemande, équipée pour effectuer des missions de suppression des défenses aériennes ennemis (SEAD), de guerre électronique et de reconnaissance avancée.

RU

Проект «Торнадо» (Tornado) родился в результате сотрудничества Италии, Германии и Великобритании по созданию многоцелевого истребителя с высокими летно-техническими характеристиками. Таким образом, был разработан двухмоторный самолет с двухместной конфигурацией и изменяемой геометрией крыльев, чтобы лучше выполнять его основную задачу: маловысотный сверхзвуковой истребитель-бомбардировщик, способный «следовать» контурам местности. «Торнадо» IDS (изоляция сил противника и нанесение удара), идеально подходящий для атакующих миссий, был первым, который использовался летними подразделениями трех стран, разрабатывавших этот проект. Из первоначального проекта также была создана версия ECR (ведение разведки и радиоэлектронной борьбы), используемая итальянскими BBC и немецкими Люфтваффе, оснащенная для выполнения задач по подавлению противовоздушной обороны (SEAD), радиоэлектронной борьбы и расширенной разведки.



EN **WARNING:** Model for adult modelers age 14 and over
IT **ATTENZIONE:** Modello per collezionisti adulti di età superiore ai 14 anni
FR **ATTENTION:** Modèle pour modélistes de 14 et plus.
DE **ACHTUNG:** Modellbausatz Für Modellbauer über 14 Jahre.
NL **WAARSCHWING:** Geschikt voor 14 jaar en ouder.
ES **ATENCION:** Modelo para modelistas mayores de 14 años.

EN ATTENTION - Useful advice!

Study the instructions carefully prior to assembly. Remove parts from frame with a sharp knife or a pair of scissor and trim away excess plastic. Do not pull off parts. Assemble the parts in numerical sequence. Use plastic cement ONLY and use cement sparingly to avoid damaging the model. Black arrows indicate parts to be glued together. White arrows indicate on which frame the parts must be assembled WITHOUT using cement. These letters (A - B - C...) indicate on which frame the parts will be found. Paint small parts before detaching them from frame. Remove paint where parts are to be cemented. Crossed out parts must not be used.

FR ATTENTION - Conseils utiles!

Avant de commencer le montage, étudier attentivement le dessin. Détacher avec beaucoup de soin les morceaux des moulés en usant un massicot ou bien un paire de cisaux et couper avec une petite lame avec de papier de verre fin ébarbages éventuels. Jamais détacher les morceaux avec le mains. Monter les en suivant l'ordre de la numérotation des tables. Eliminer de la mousse le numéro de la pièce qui vient d'être montée, en le biffant avec une croix. Les flèches noires indiquent les pièces à coller, les flèches blanches indiquent les pièces à monter sans colle. Employer seulement de la colle pour pistolet. Les lettres (A - B - C...) aux cotés des numéros indiquent la moule où se trouve la pièces à monter. Les pièces marquées par une croix ne sont pas à utiliser.

IT ATTENZIONE - Consigli utili!

Prima di iniziare il montaggio studiare attentamente il disegno. Staccare con molta cura i pezzi dalle stampate, usando un taglia-balsa oppure un paio di forbici e togliere con una piccola lima o con carta vetro fine eventuali sbavature. Mai staccare i pezzi con le mani. Montarli seguendo l'ordine delle numerazione delle tavole. Eliminare dalla stampata il numero del pezzo appena montato facendogli sopra una croce. Le frecce nere indicano i pezzi da incollare, le frecce bianche indicano i pezzi da montare senza colla. Usare solo colla per pistoletto. Le lettere (A - B - C...) ai lati dei numeri indicano la stampata ove si trova il pezzo da montare. I pezzi sbarrati da una croce non sono da utilizzare.

RU предупреждение - чаевые!

Перед тем, как приступить к сборке, внимательно изучить чертёж. Стакните с большой осторожностью детали с шаблонами, используя для этого канцелярский нож или пару ножниц, снять неровности с помощью тонкого лезвия или с помощью абразивной бумаги. Не отсоединять элементы руками. Выполнить сборку согласно порядку нумерации таблиц. Удалить из списка только что собранную деталь, перечёркнув её. Чёрные стрелки указывают детали для склейивания, белые стрелки указывают детали, которые собираются без клея. Использовать только клей для пистолета. Буквы (A - B - C...) на пронумерованных сторонах указывают лист, где находится деталь. Перечёркнутые детали не используются.

DE

Das Projekt Tornado ist aus der Zusammenarbeit von Italien, Deutschland und Großbritannien entstanden, um ein Mehrzweckkampfflugzeug mit hoher Flugleistung zu bauen. So wurde ein zweimotoriges Flugzeug mit einer zweisitzigen Konfiguration und Schwenkfügeln entwickelt, um seiner Hauptanforderung besser gerecht zu werden: Ein Überschalljagdbomber, der im tiefst Flug in der Lage ist, dem Geländeprofil zu „folgen“. Der für Angriffsseinsätze ideale Tornado IDS (Interdictor/Strike) ist der erste, der von den Flugbetriebsabteilungen der drei Länder, die das Projekt entwickelt haben, eingesetzt wurde. Aus dem ursprünglichen Projekt wurde auch die ECR-Version (Electronic Combat / Reconnaissance) entwickelt, die von den italienischen Luftstreitkräften und der deutschen Luftwaffe eingesetzt wird, um Missionen zur Unterdrückung der feindlichen Luftabwehr (SEAD), der elektronischen Kriegsführung und der fortgeschrittenen Erkundung durchzuführen.

ES

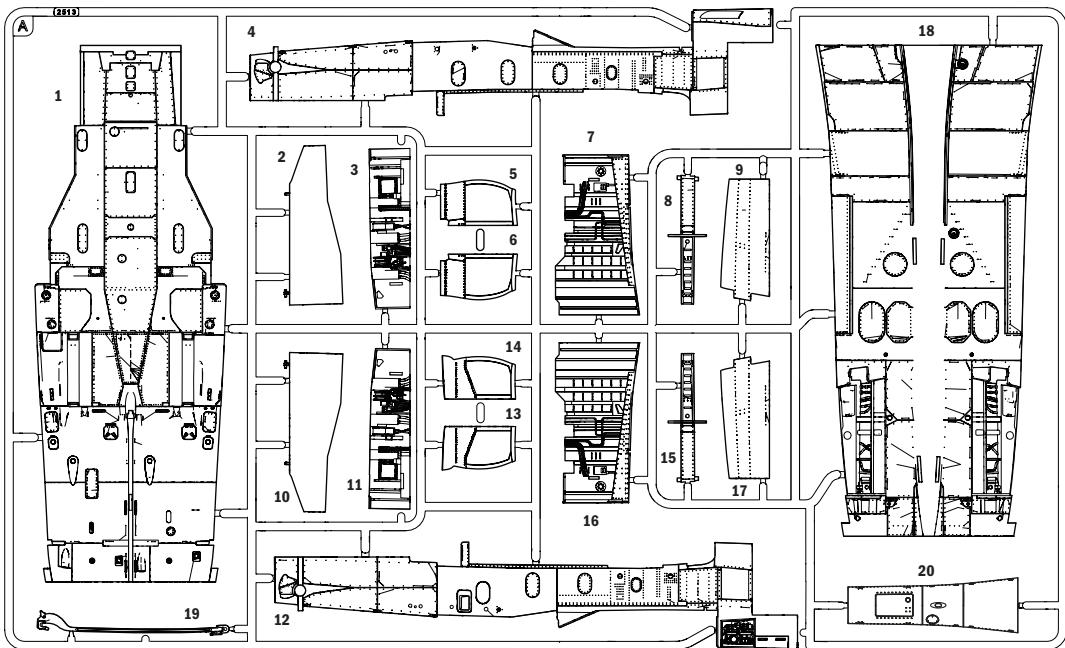
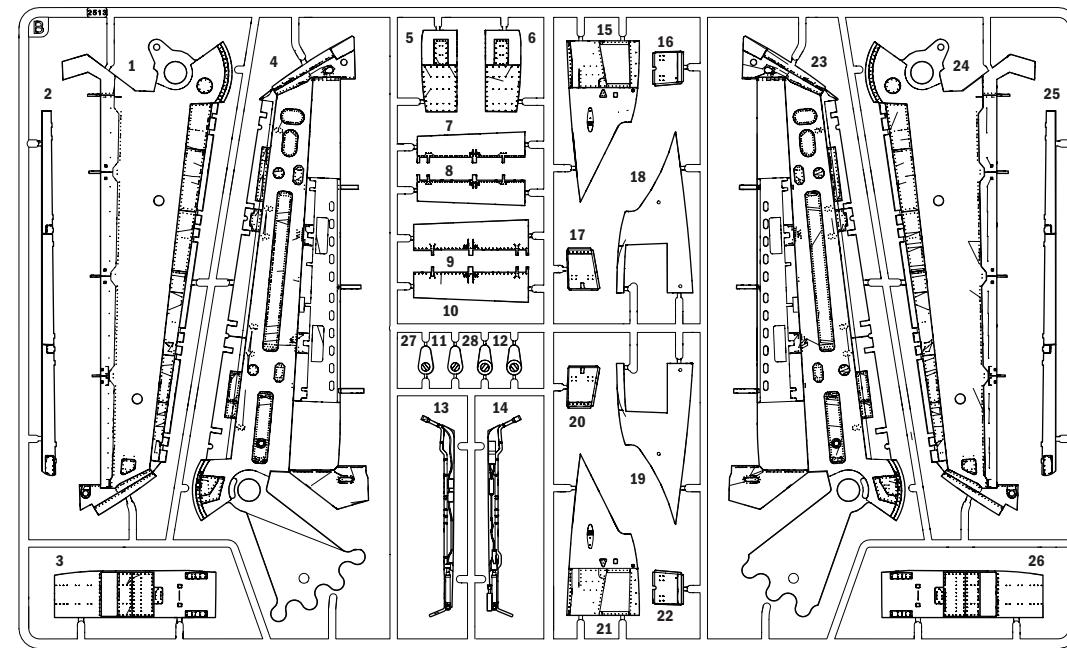
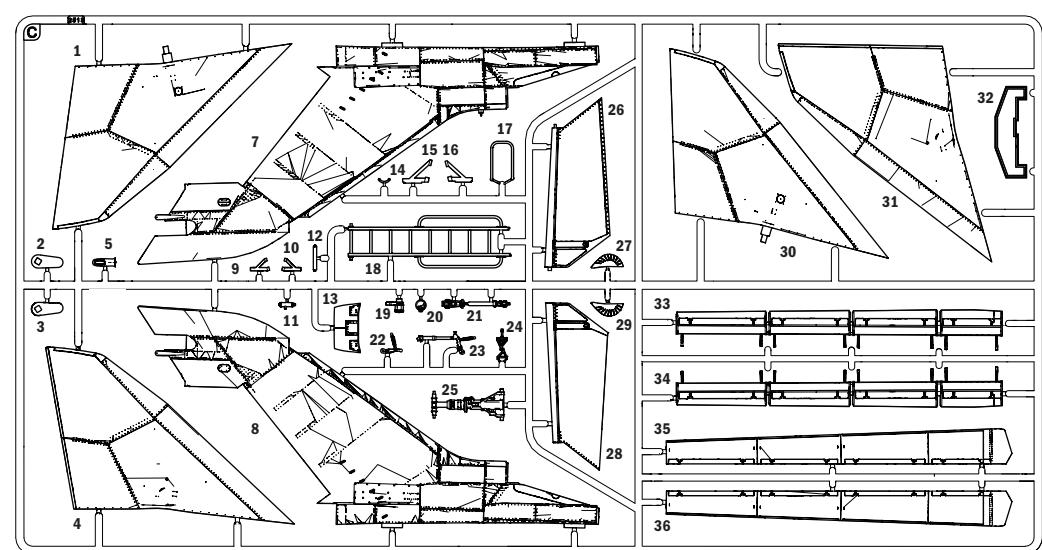
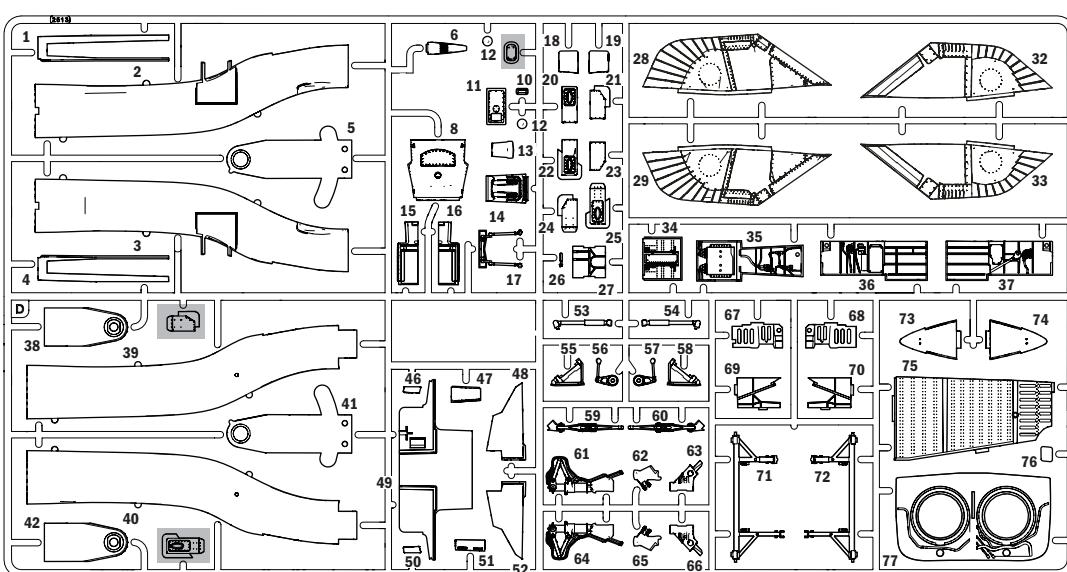
El proyecto del Tornado nació de la colaboración de Italia, Alemania y Reino Unido para la realización de un avión de combate multiusos con elevadas prestaciones de vuelo. De esta manera se desarrolló un avión bimotor con configuración de dos puestos y alas de geometría variable, para cumplir mejor con su papel principal: cazabombardero supersónico de baja cota capaz de «seguir» el perfil del terreno. El Tornado IDS (Interdictor/strike), ideal para las misiones de ataque, fue el primero en ser utilizado por los departamentos de operaciones de vuelo de los tres países que desarrollaron el proyecto. A partir del proyecto original, también se creó la versión ECR (Electronic Combat/ Reconnaissance), utilizada por la Aeronáutica militar italiana y la Luftwaffe alemana, equipada para llevar a cabo misiones de supresión de las defensas aéreas enemigas (SEAD), guerra electrónica y reconocimiento avanzado.

DE ACHTUNG - Ein nützlicher Rat!

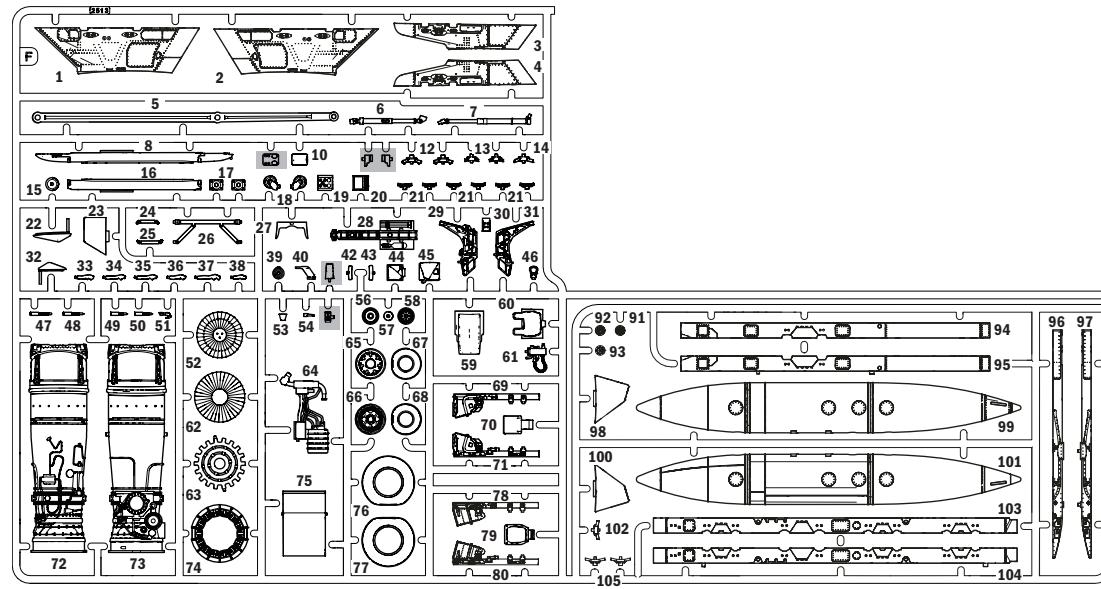
Vor der Montage die Zeichnung aufmerksam studieren. Die einzelnen Montageteile mit einem Messer oder einer Schere vom Spritzling entfernen. Eventuelle Grade werden mit eicer Klinge oder feinem Schnürgelepapier beseitigt. Keinesfalls die Montageteile mit den Händen entfernen. Bei der Montage der Tafelumierung folgen. Pfeile zeigen die zu klebenden Teile während die weißen Pfeile die ohne Leim zu montierenden Teile anzeigen. Bitte nur Plastikklebstoff verwenden. Die Buchstaben (A - B - C...) neben den Nummern zeigt,auf welchem Spritzling der zu montierende Teil zu finden ist. Die mit einem Kreuz markierten Teile sind nicht zu verwenden.

ES ATENCION - Consejos útiles!

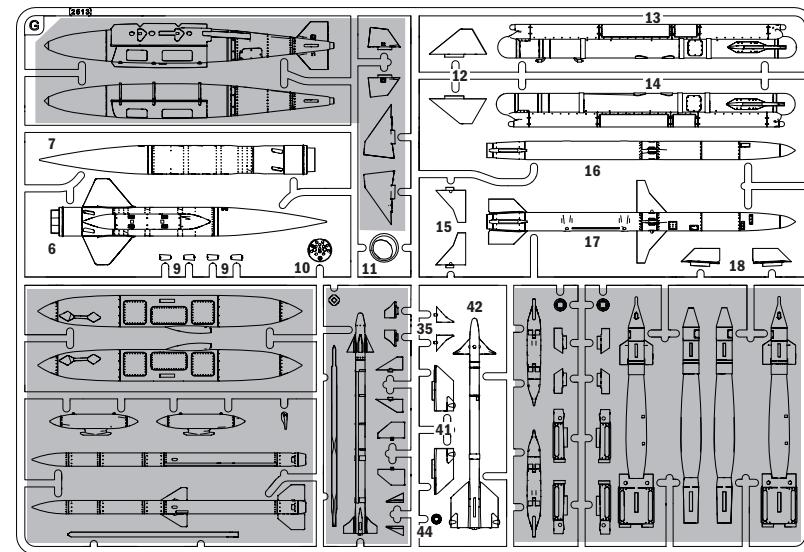
Estudiar las instrucciones cuidadosamente antes de comenzar el montaje. Separar las piezas de las bandejitas con un cuchillo afilado o un par de tijeras y retirar el exceso de plástico o rebada. No arrancar las piezas. Montar las piezas en orden numérico. Utilizar SOLAMENTE pegamento para plástico y en poca cantidad para evitar que se dane el modelo. Las flechas negras indican las piezas que se deben pegar juntas. Las flechas blancas indican las piezas que deben ensamblarse SIN usar pegamento. Las letras (A - B - C...) indican en que bandeja se encuentran las piezas. Pintar las piezas pequeñas antes de separarlas de la bandeja. Retirar la pintura de los lugares por donde se deben pegar las piezas.

A**B****C****D**

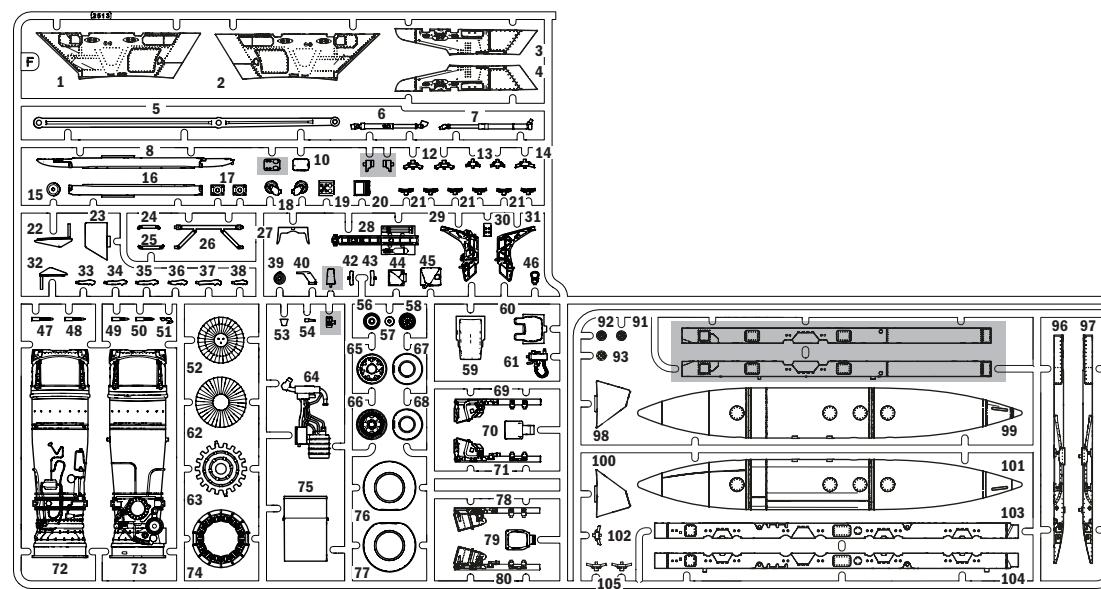
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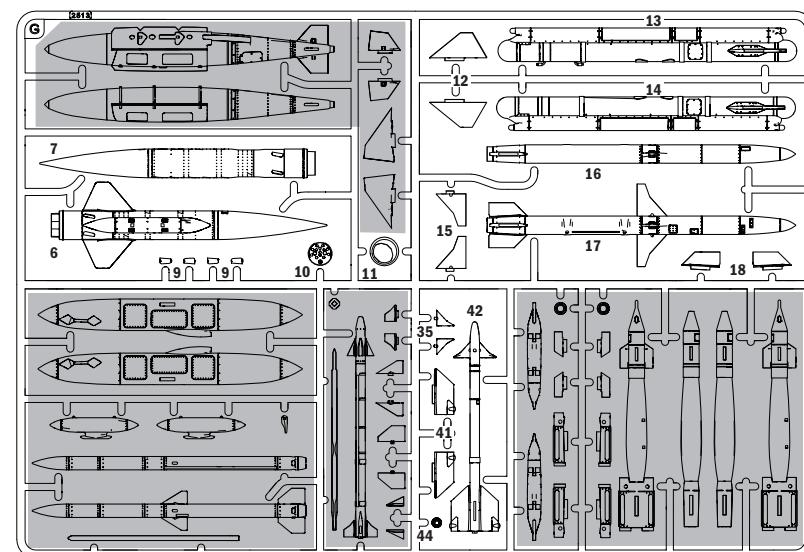
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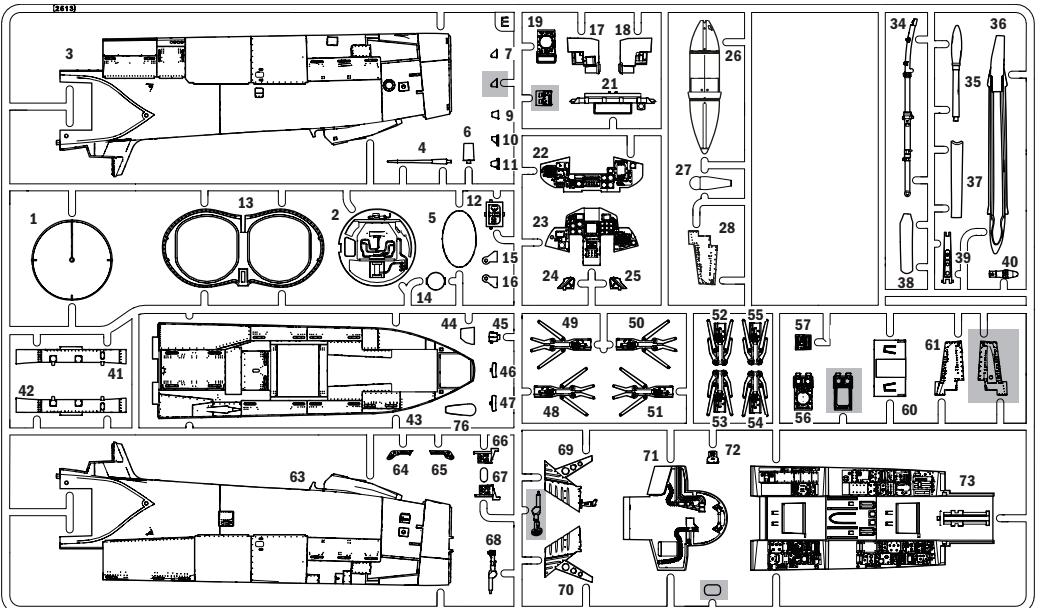
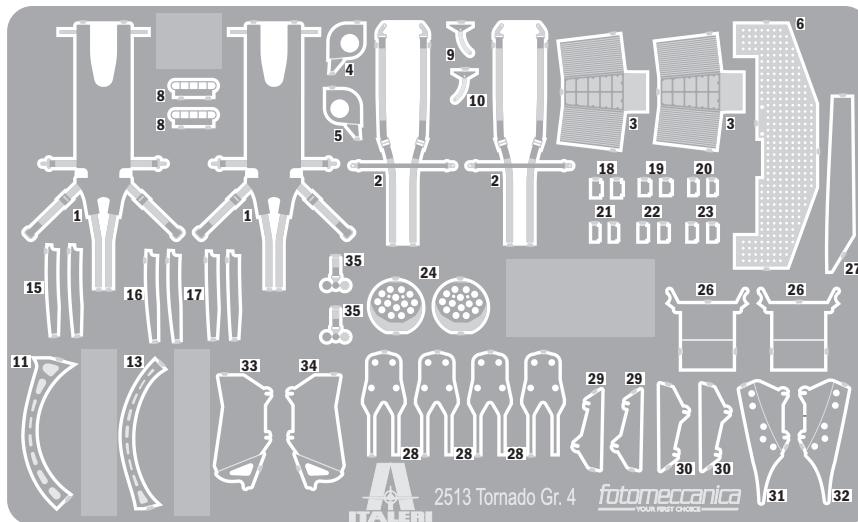
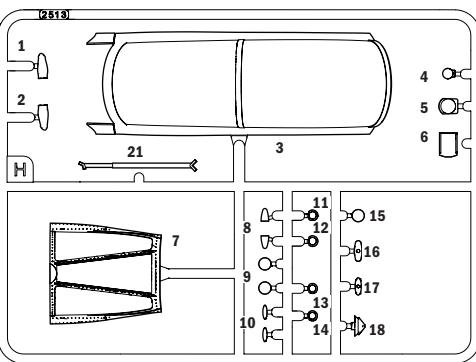
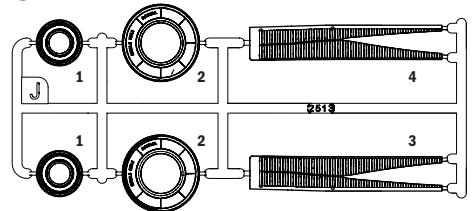


F



G



E**PE****H****J**

Parti da non utilizzare
Parts not for use
Pièces à ne pas utiliser
Telle werden nicht verwendet
Partes a no utilizar
Onderdelen niet te gebruiken

Aggiungere un peso
Add a weight
Ajouter un poids
Fügen Sie ein Gewicht
Añadir un peso
Voeg een gewicht

Aprire i fori
Drill holes
Ouvrir les trous
Die Löcher Ausbören
Perforar los agujeros
Open gaten

Vite
Screw
Vis
Schraube
Tornillo
Schroef
SCREW 14 1,4 x 8mm

Separare
Cut
Retirer
Entfernen
Separar
Gesneden

SUGGESTED COLORS

A
FLAT BLACK
F.S.37038
Italeri AcrylicPaint 4768AP

B
FLAT DARK GULL GRAY
F.S.36231
Italeri AcrylicPaint 4755AP

C
FLAT LIGHT GREEN
F.S.34230
Italeri AcrylicPaint 4309AP

D
FLAT MEDIUM BLUE
F.S.35095
Italeri AcrylicPaint 4307AP

E
FLAT WHITE
F.S.37875
Italeri AcrylicPaint 4769AP

F
FLAT RED
F.S.31400
Italeri AcrylicPaint 4606AP

G
FLAT ORANGE
F.S.32197
Italeri AcrylicPaint 4302AP

H
FLAT YELLOW
F.S.33538
Italeri AcrylicPaint 4721AP

I
FLAT MIDDLE STONE
F.S.30266
Italeri AcrylicPaint 4304AP

J
FLAT LIGHT GRAY
F.S.36495
Italeri AcrylicPaint 4765AP

K
FLAT GUNSHIP GRAY
F.S.36118
Italeri AcrylicPaint 4752AP

L
METAL FLAT ALUMINUM
F.S.31788
Italeri AcrylicPaint 4677AP

M
FLAT GREEN
F.S.34102
Italeri AcrylicPaint 4862AP

N
METAL GLOSS GOLD
F.S.17043
Italeri AcrylicPaint 4671AP

O
FLAT INTERIOR GREEN
F.S.34151
Italeri AcrylicPaint 4736 AP

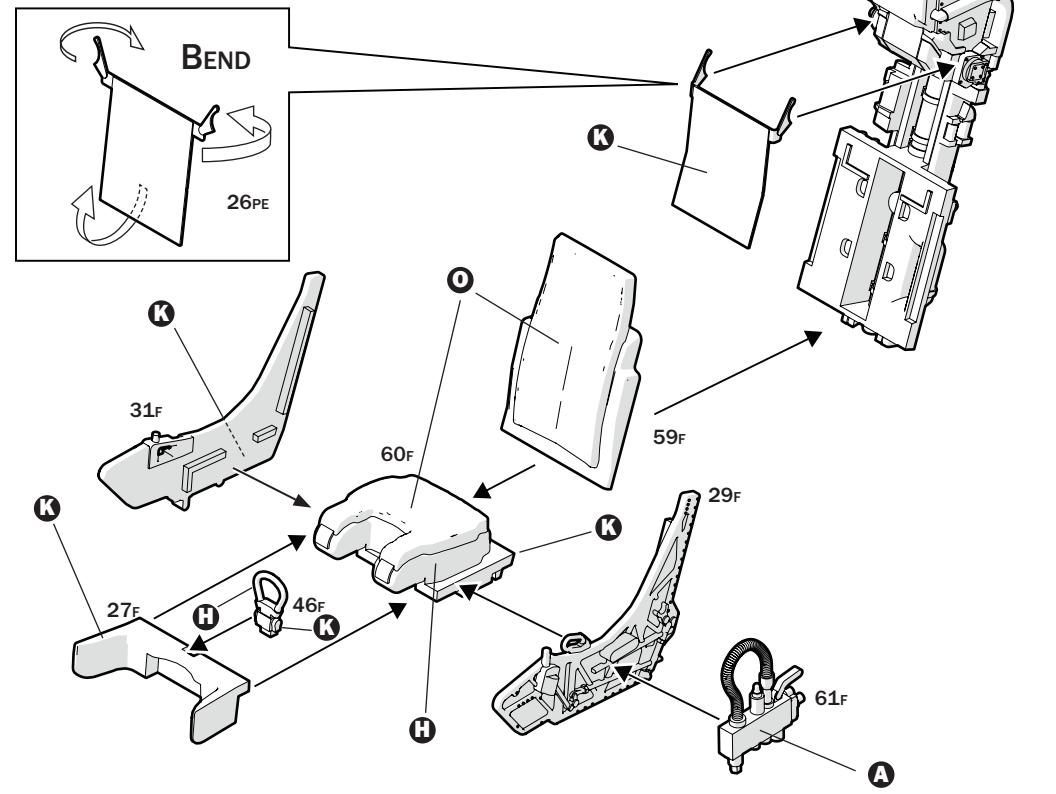
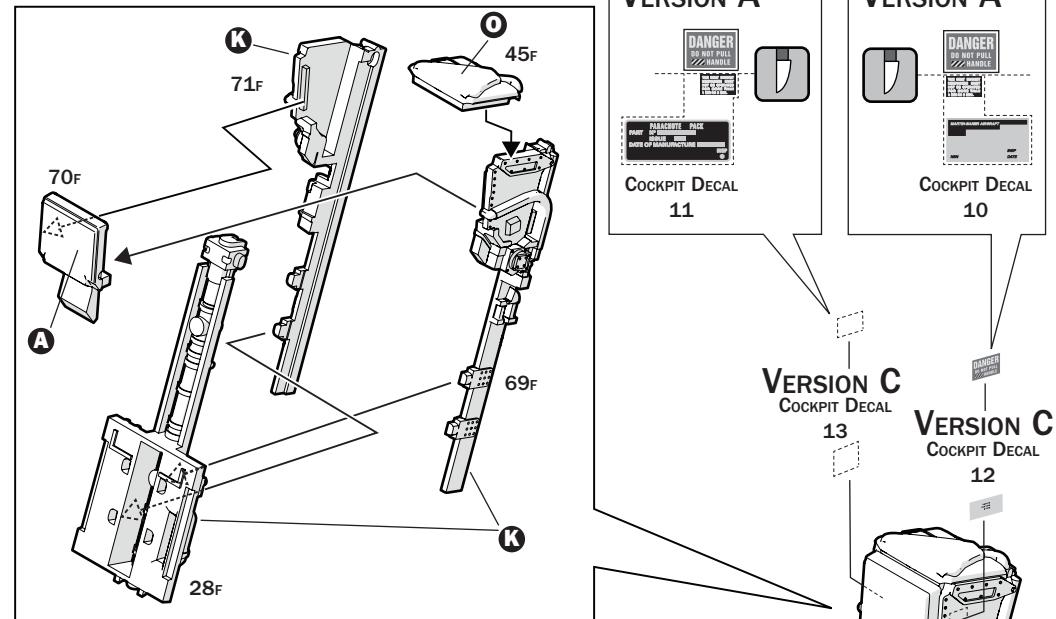
P
FLAT LIGHT GHOST GRAY
F.S.36375
Italeri AcrylicPaint 4679AP

Q
METAL FLAT STEEL
F.S.37178
Italeri AcrylicPaint 4681 AP

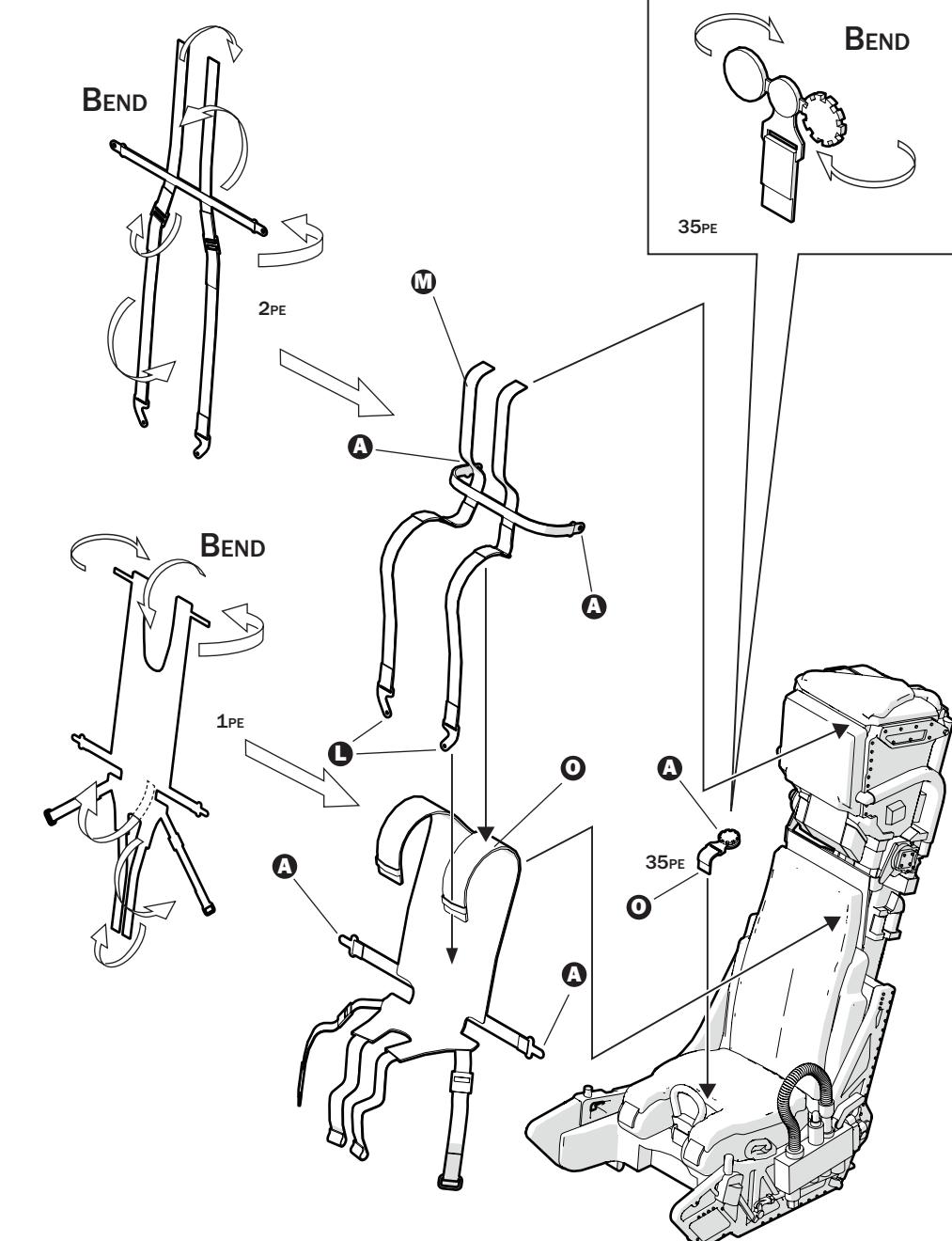
R
FLAT GUN METAL
F.S.37200
Italeri AcrylicPaint 4681 AP

CHOOSE VERSION BEFORE ASSEMBLY

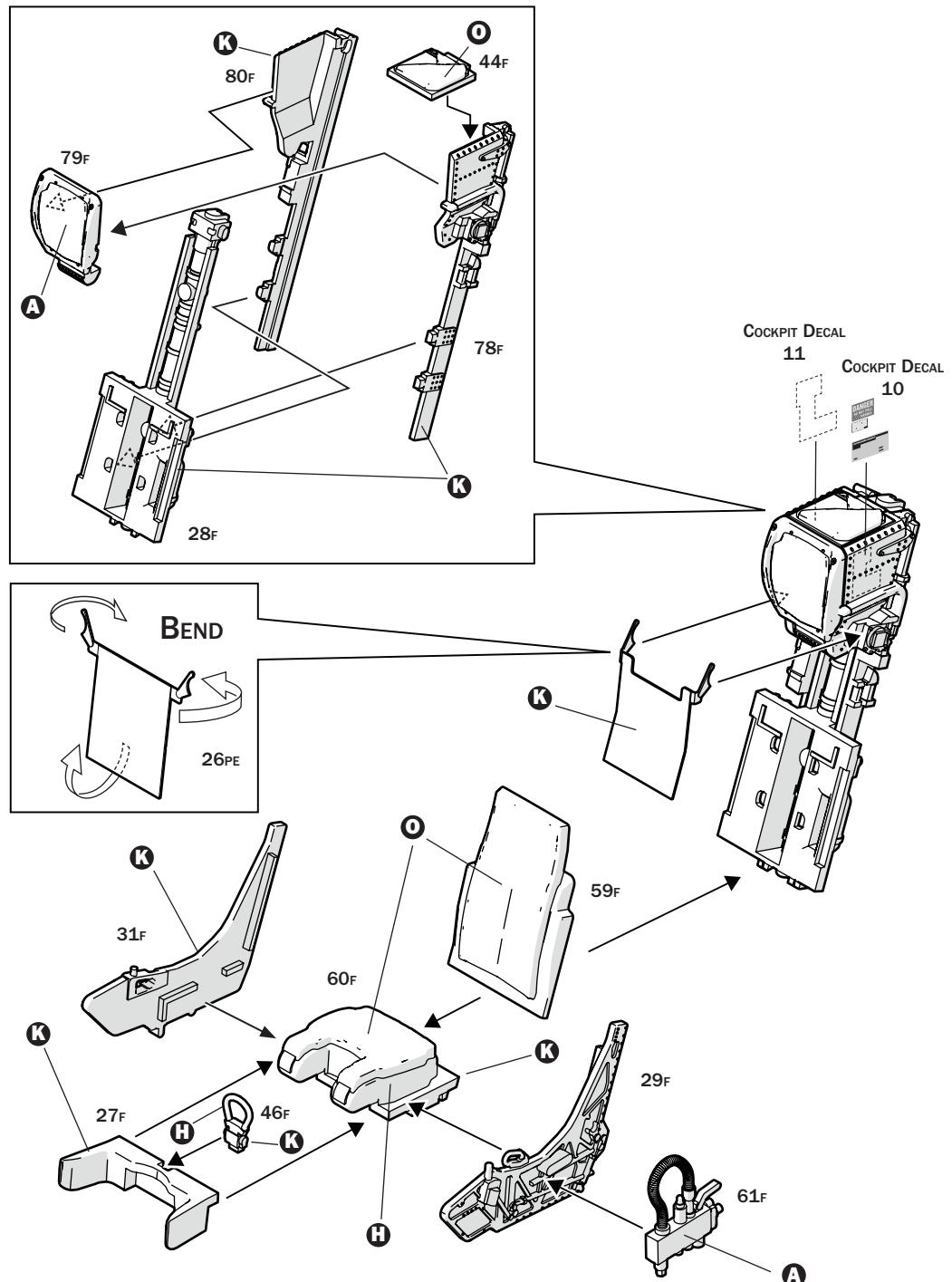
1 2x VERSIONS A-C



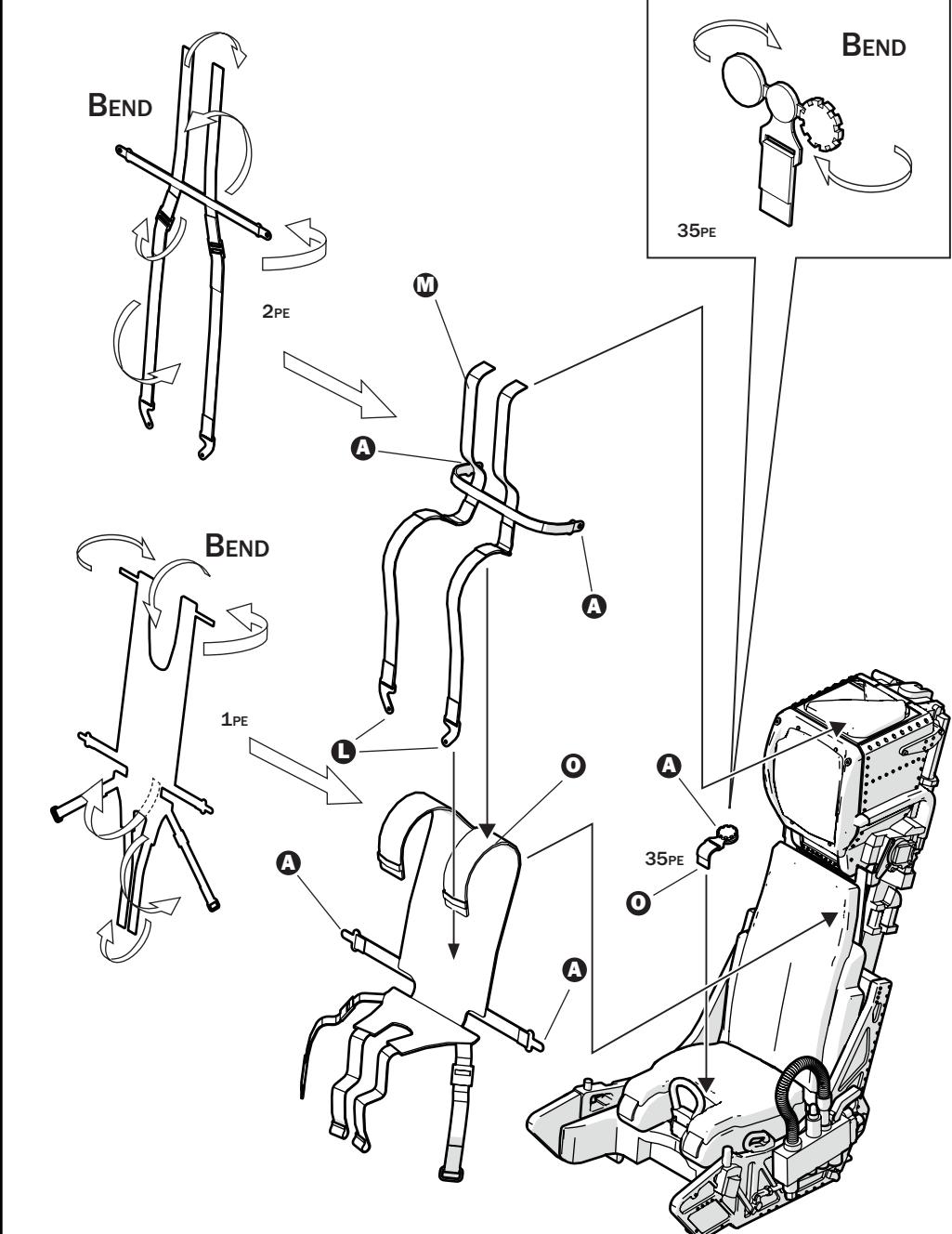
2 2x VERSIONS A-C



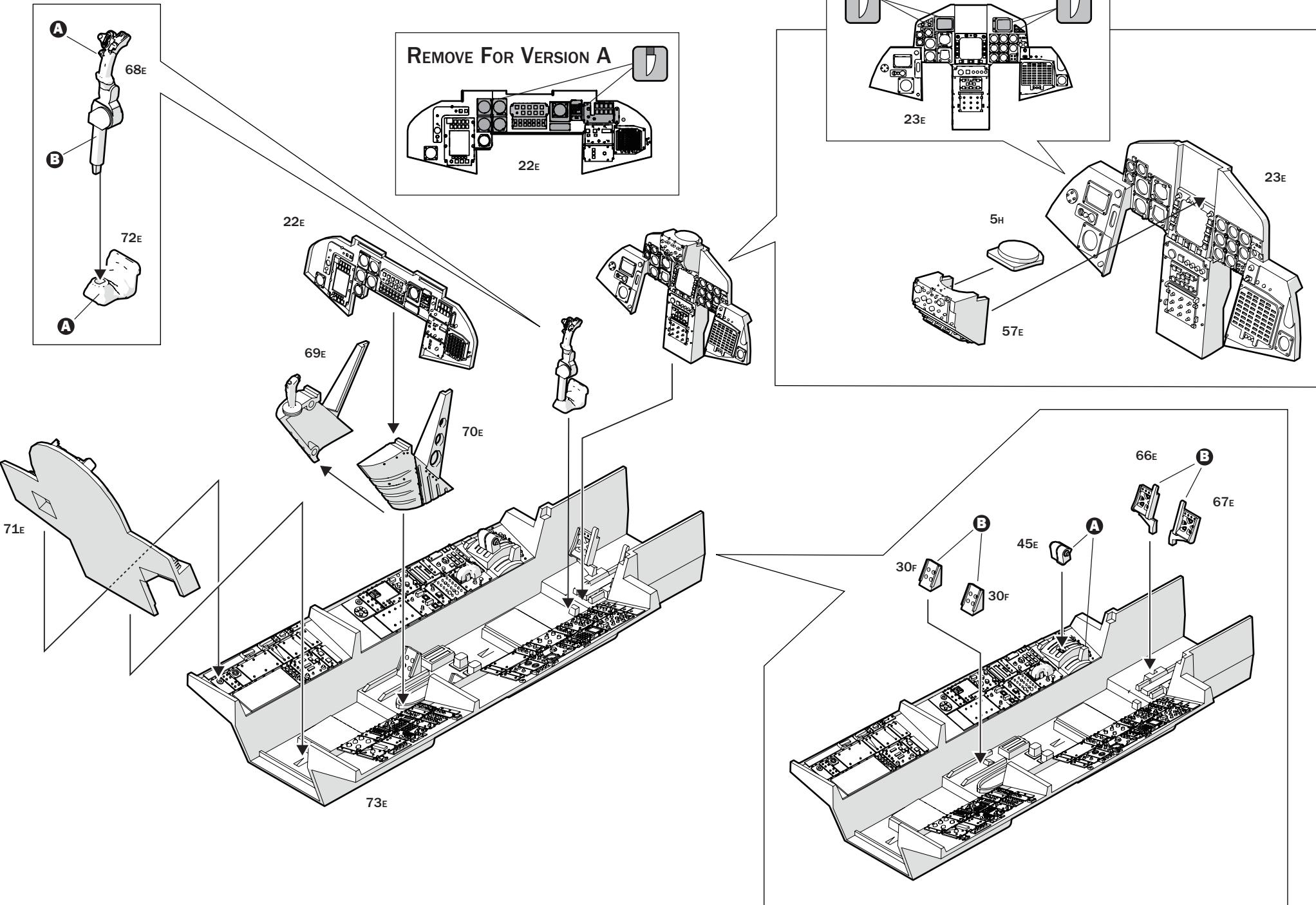
3 2x VERSION B



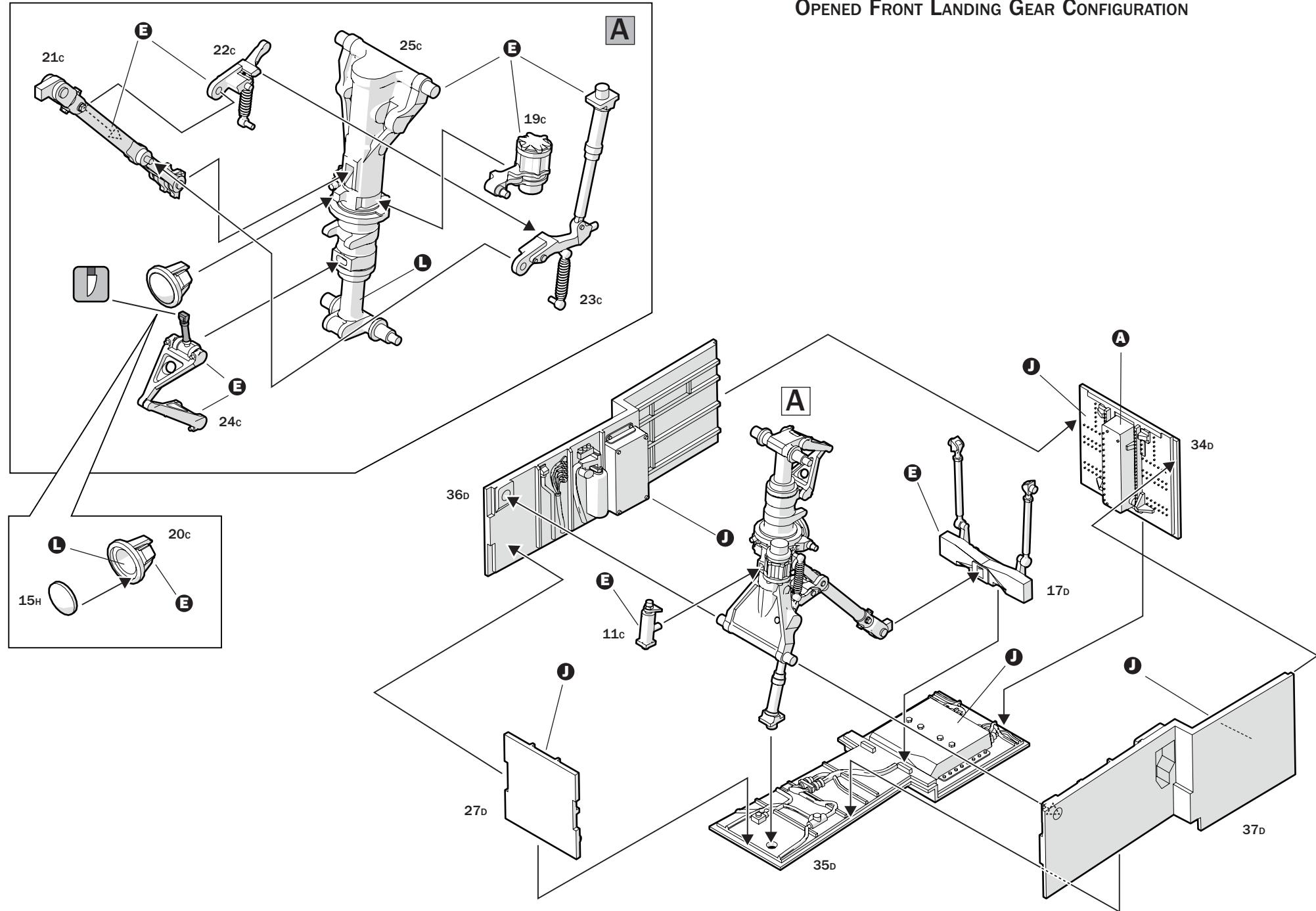
4 2x VERSION B



FOR COCKPIT PAINTING AND DECALS POSITIONING SEE THE PAINTING GUIDE (PAG.8)

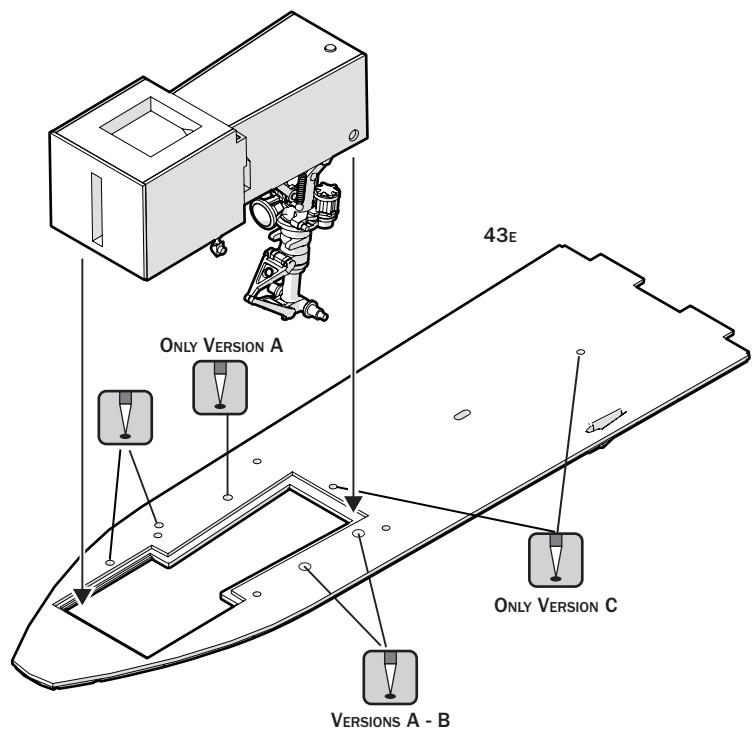


OPENED FRONT LANDING GEAR CONFIGURATION



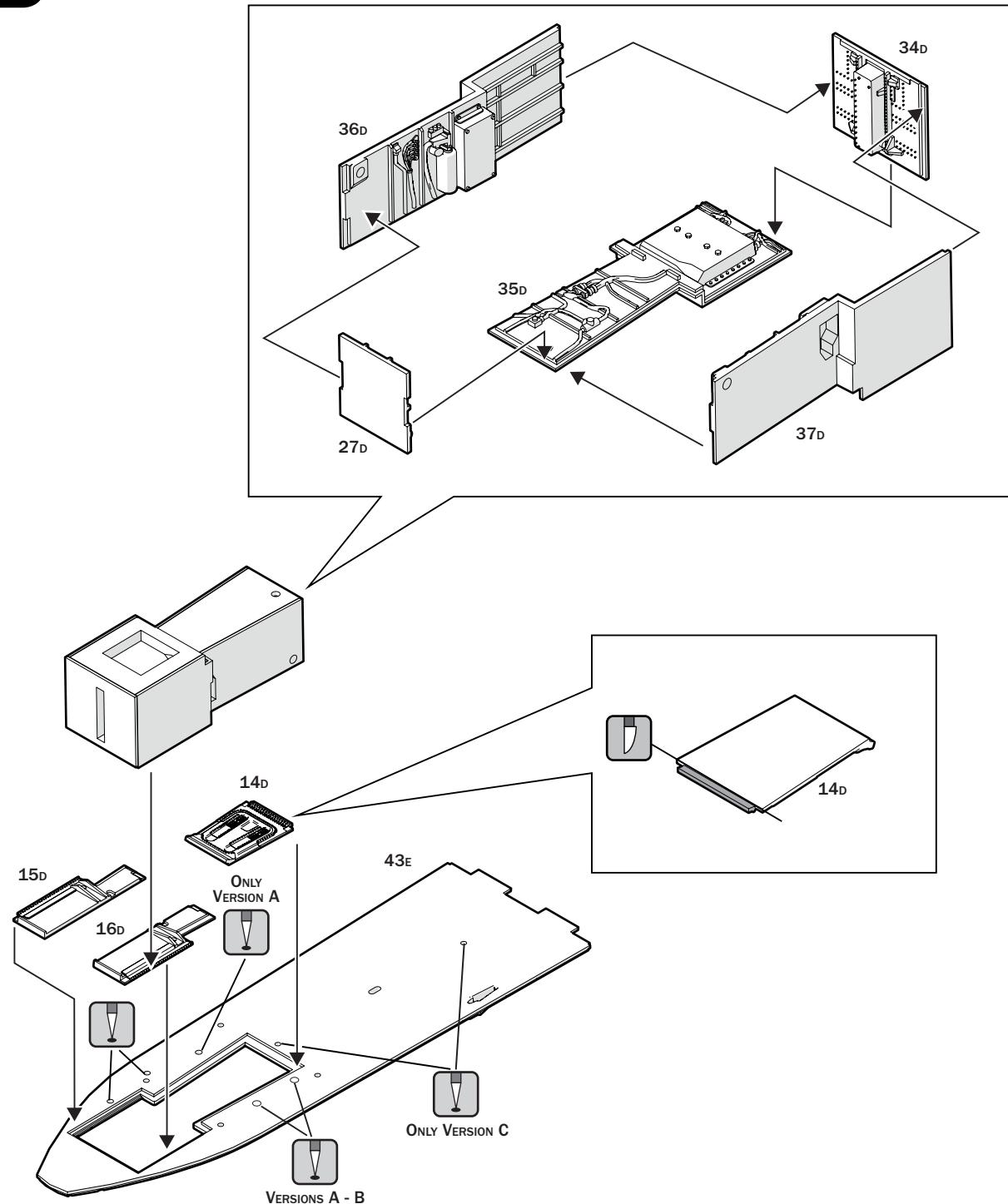
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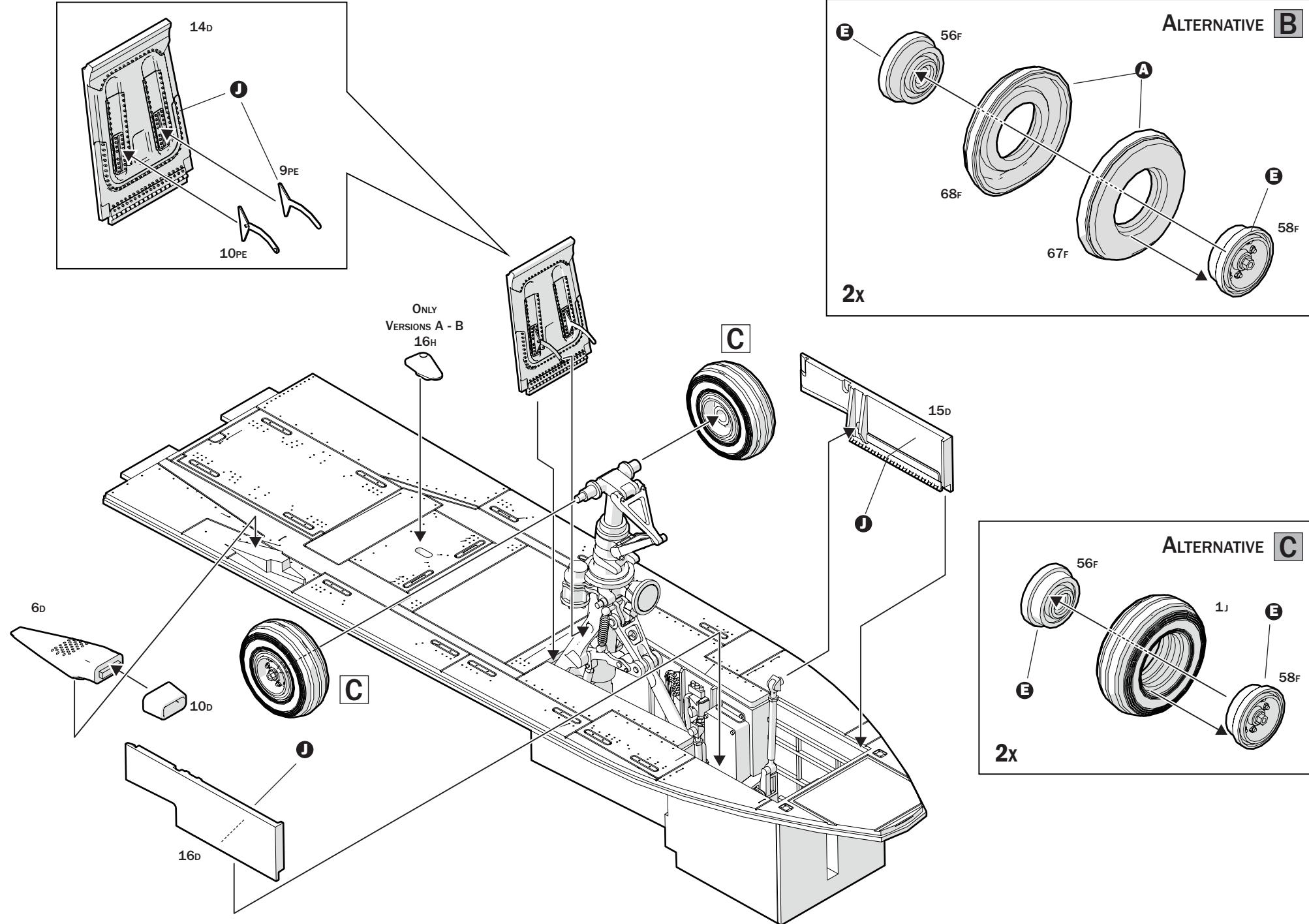
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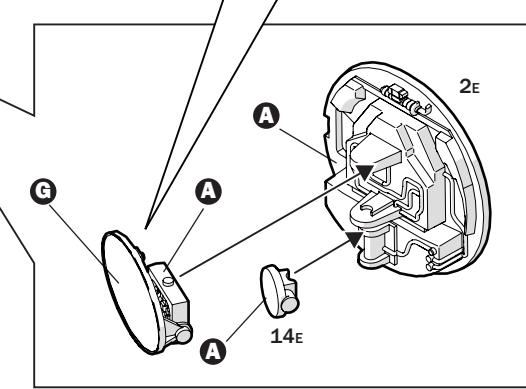
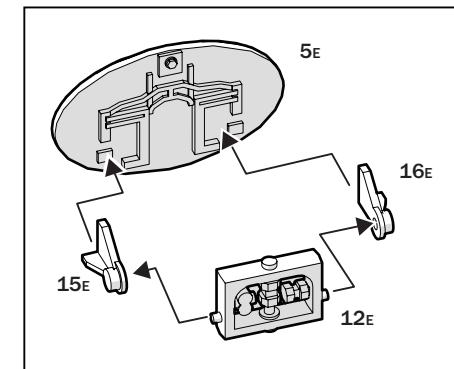
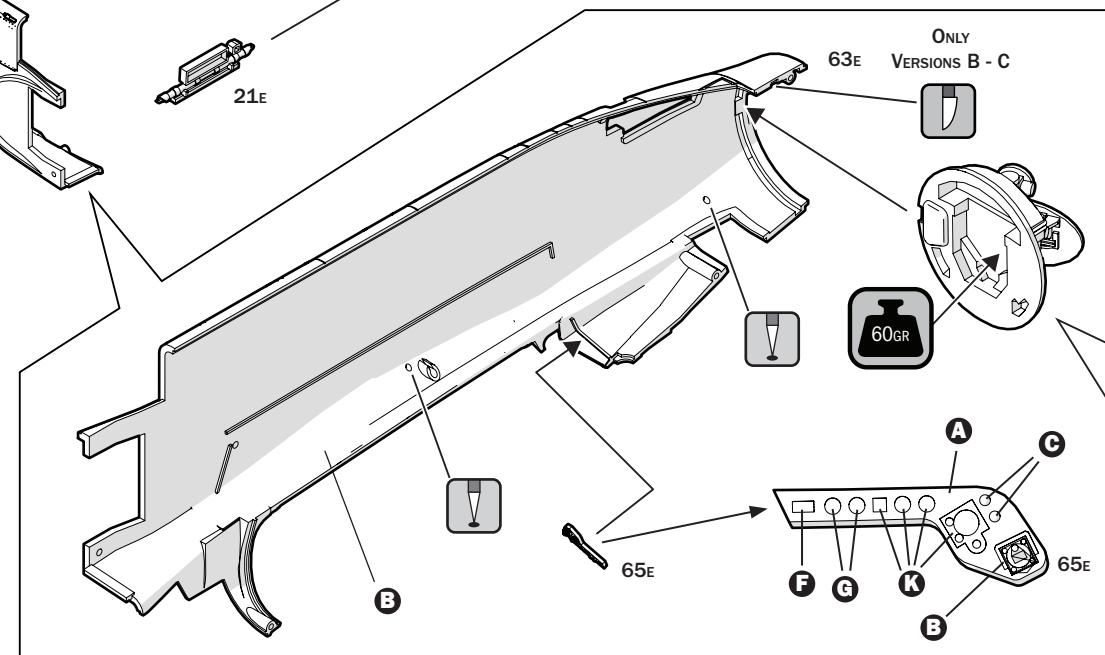
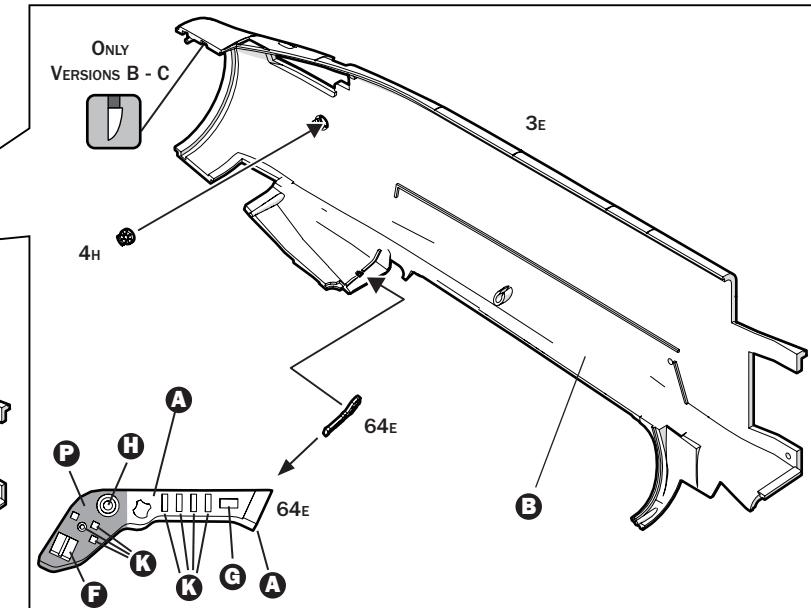
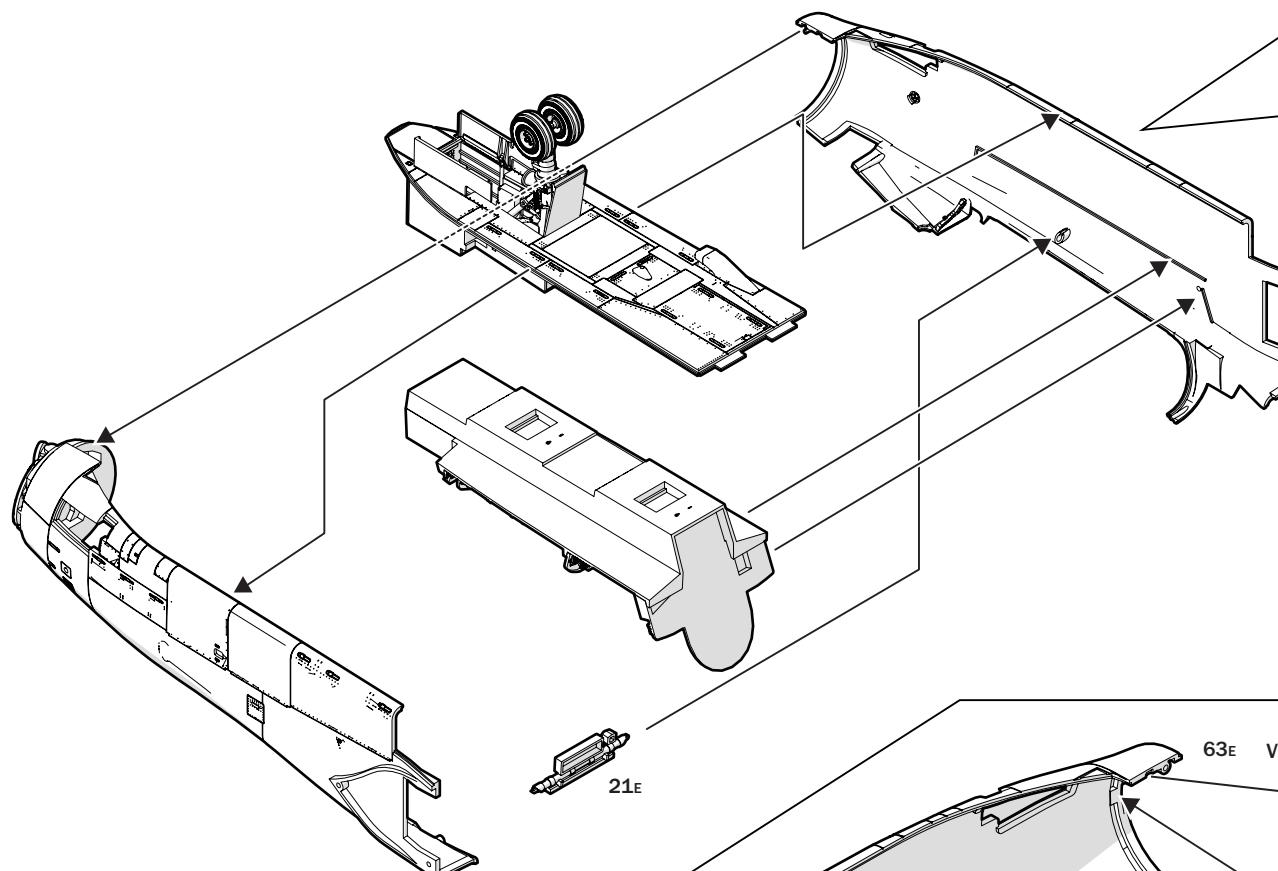


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CLOSED FRONT LANDING GEAR CONFIGURATION

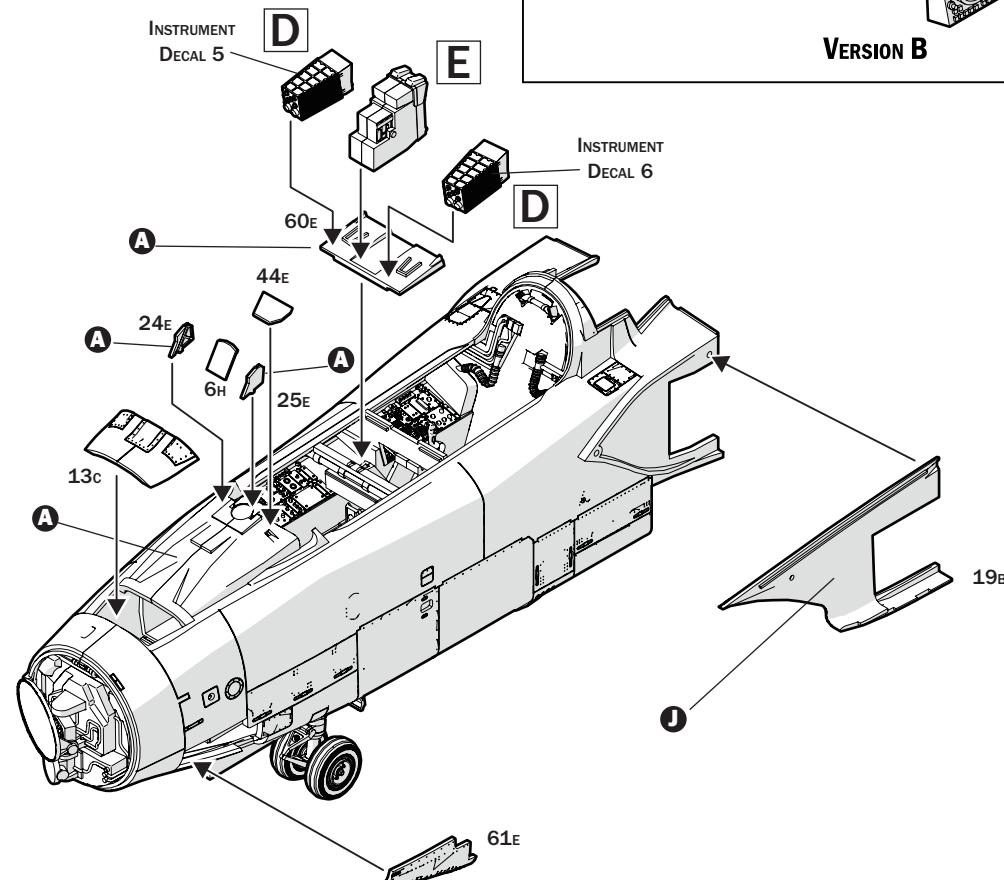
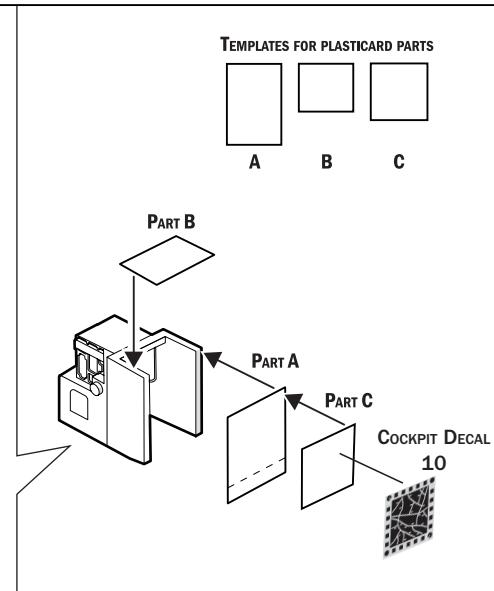
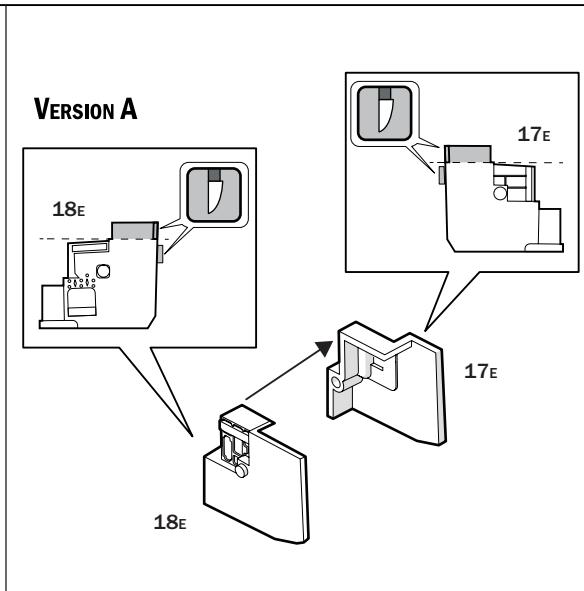
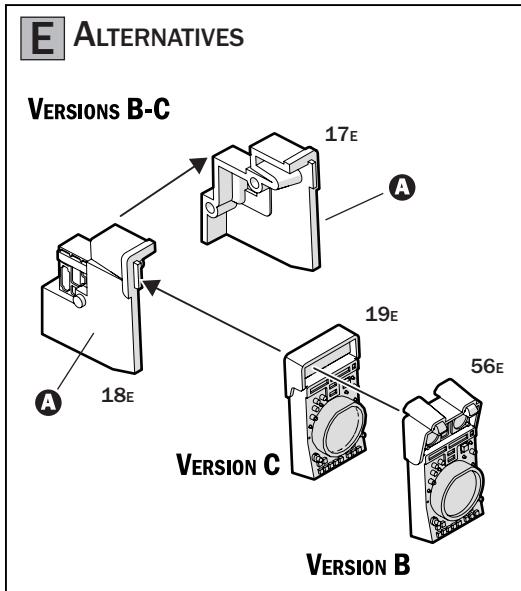
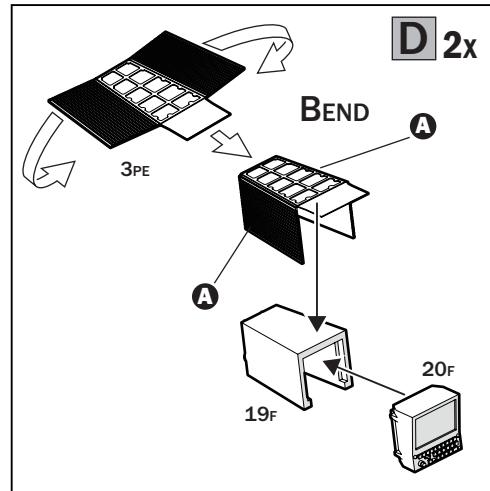




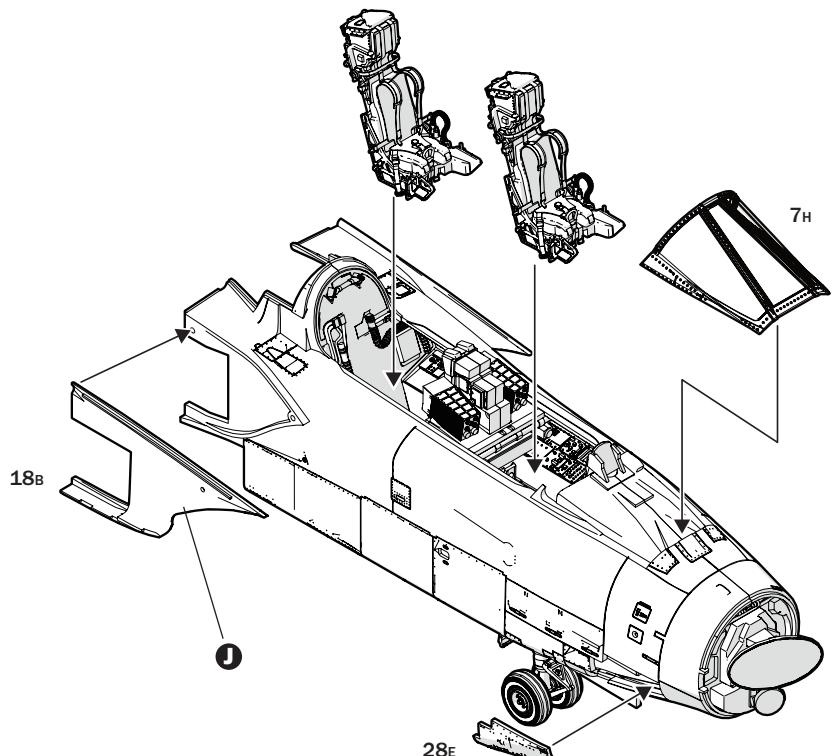


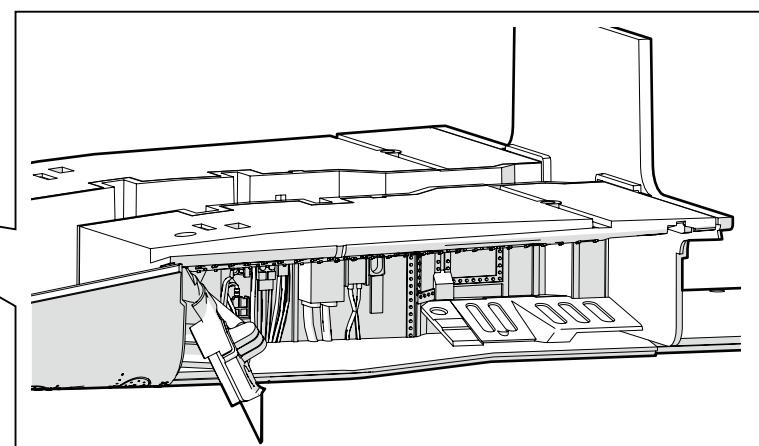
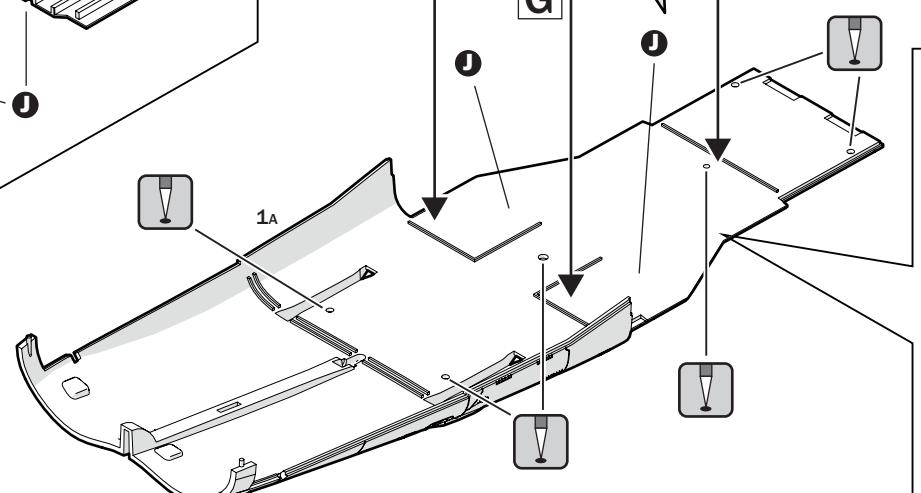
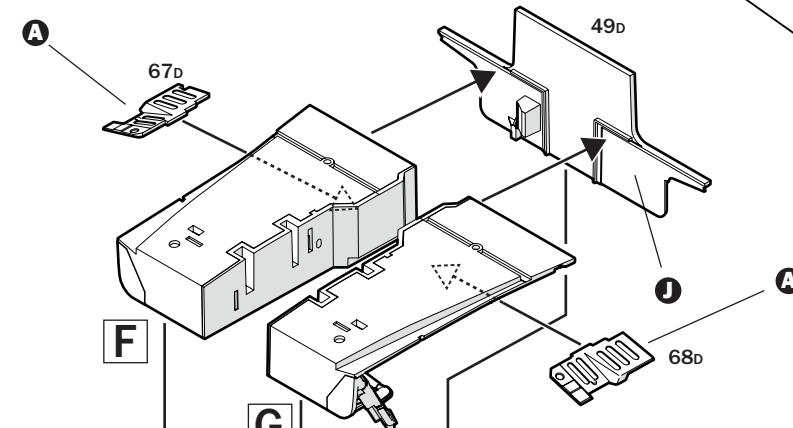
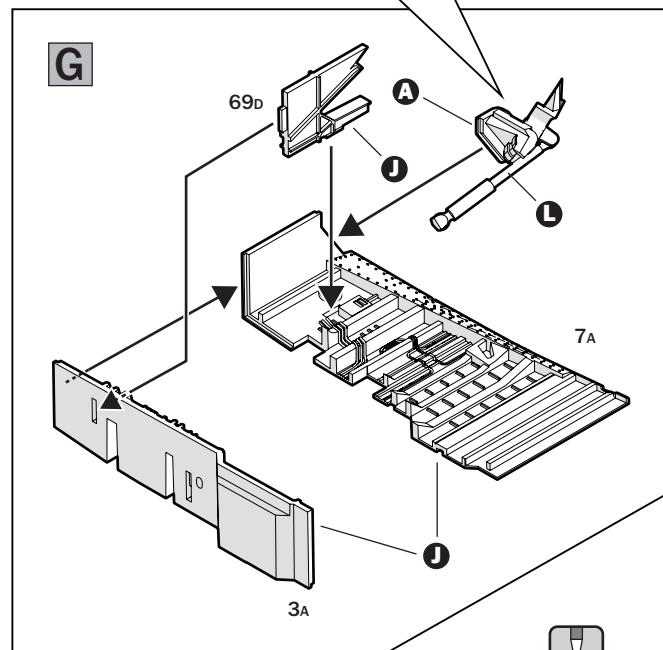
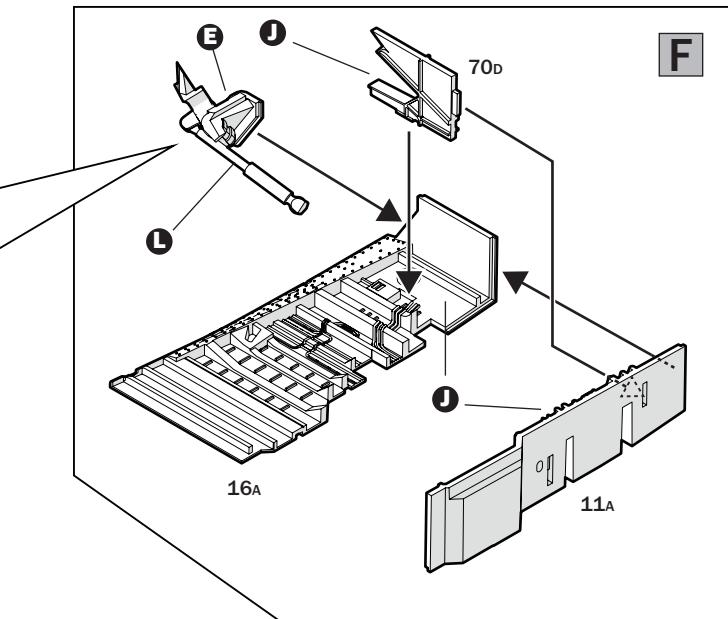
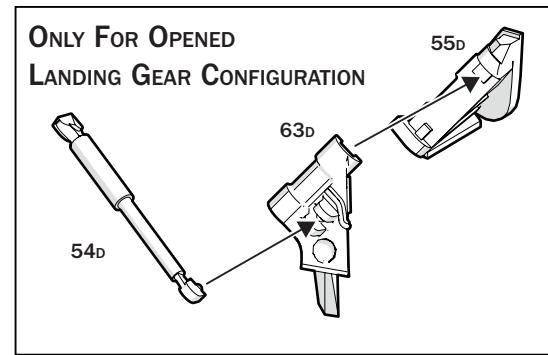
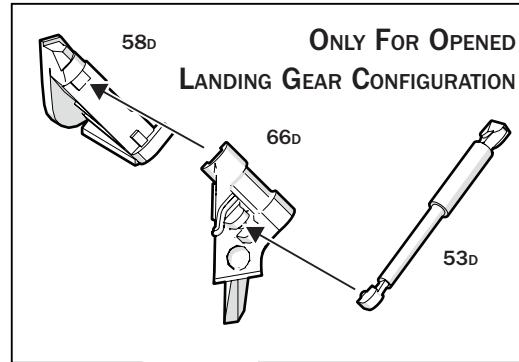
11

FOR PAINTING AND DECALS POSITIONING SEE THE PAINTING GUIDE

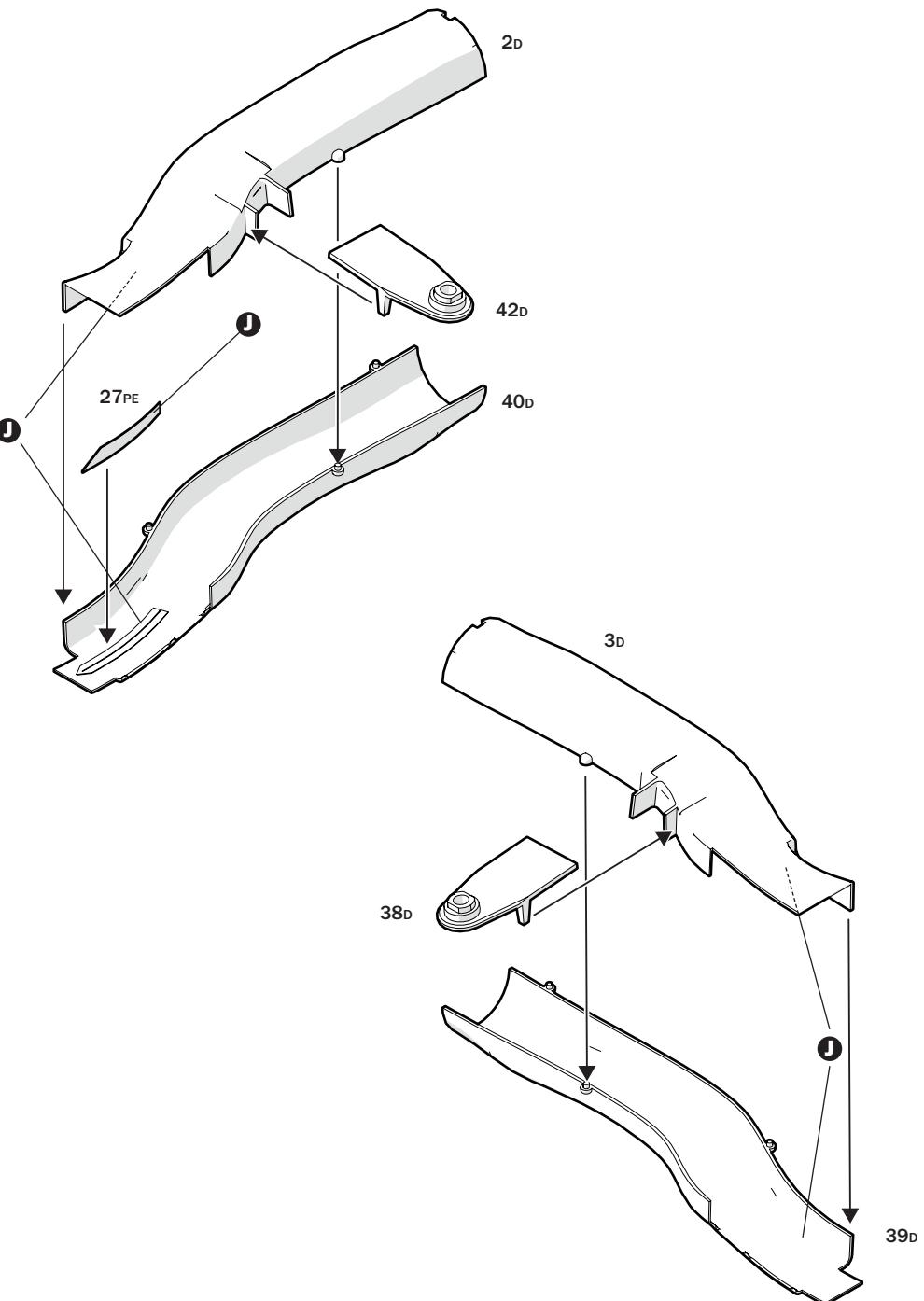


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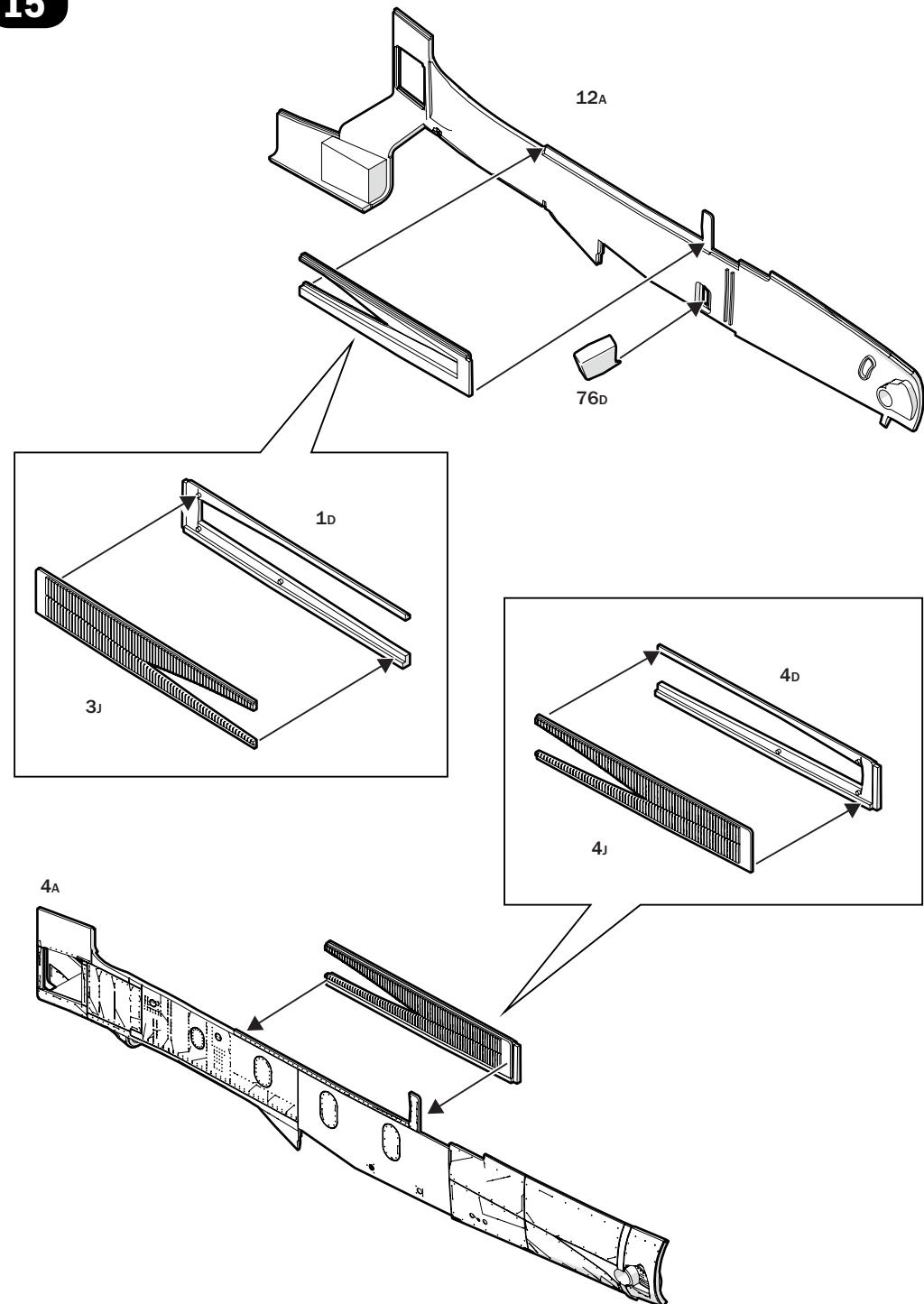


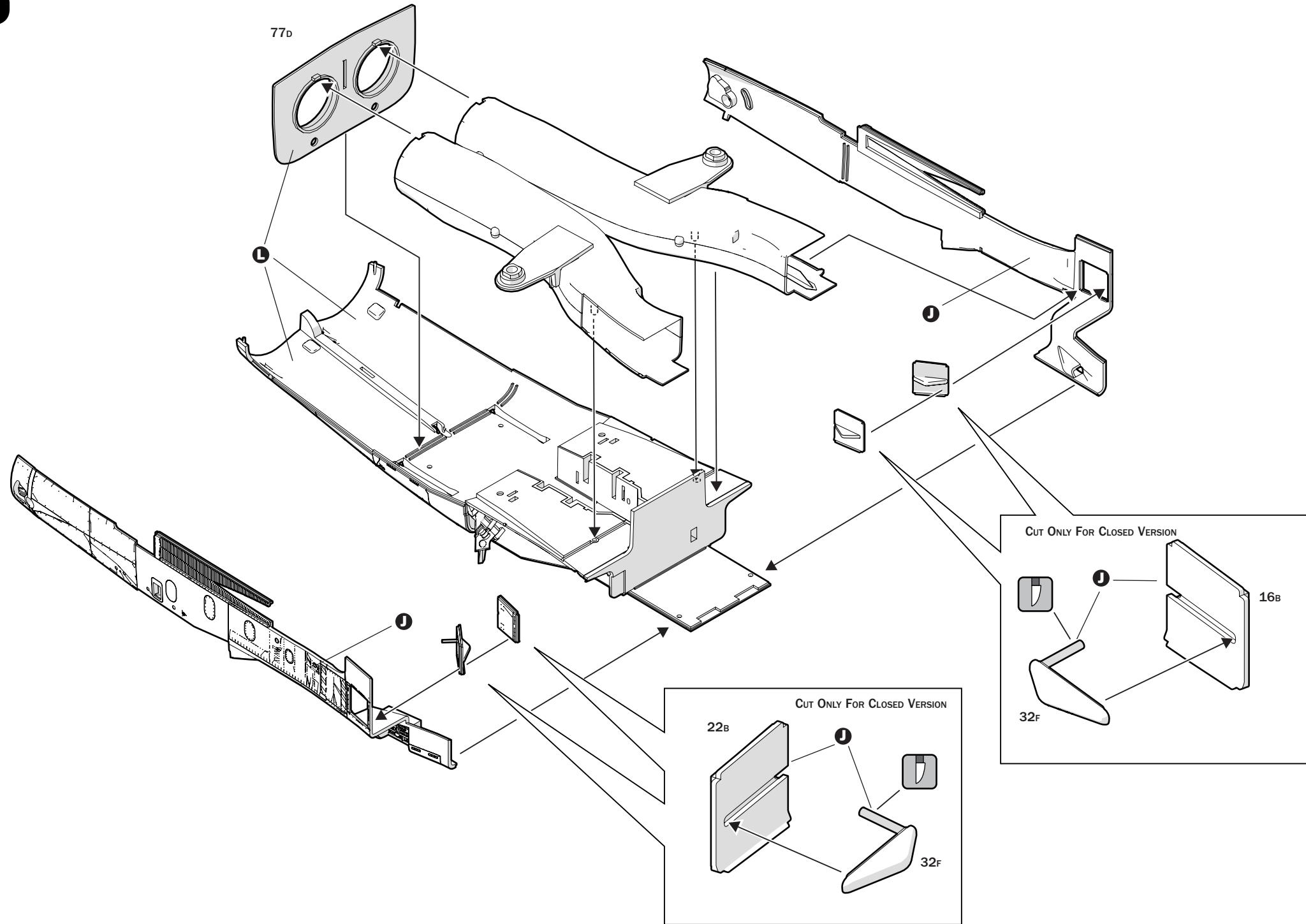


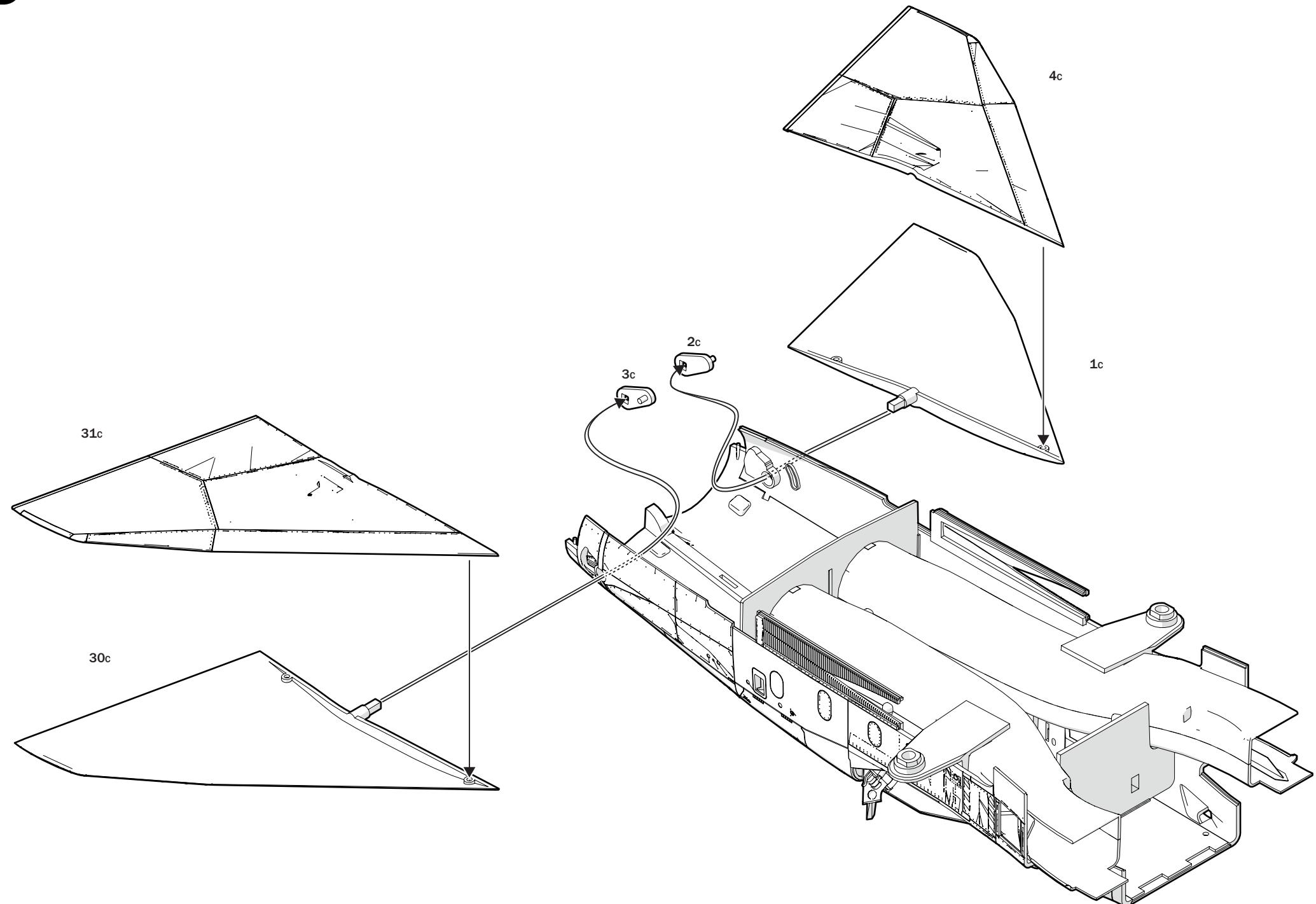
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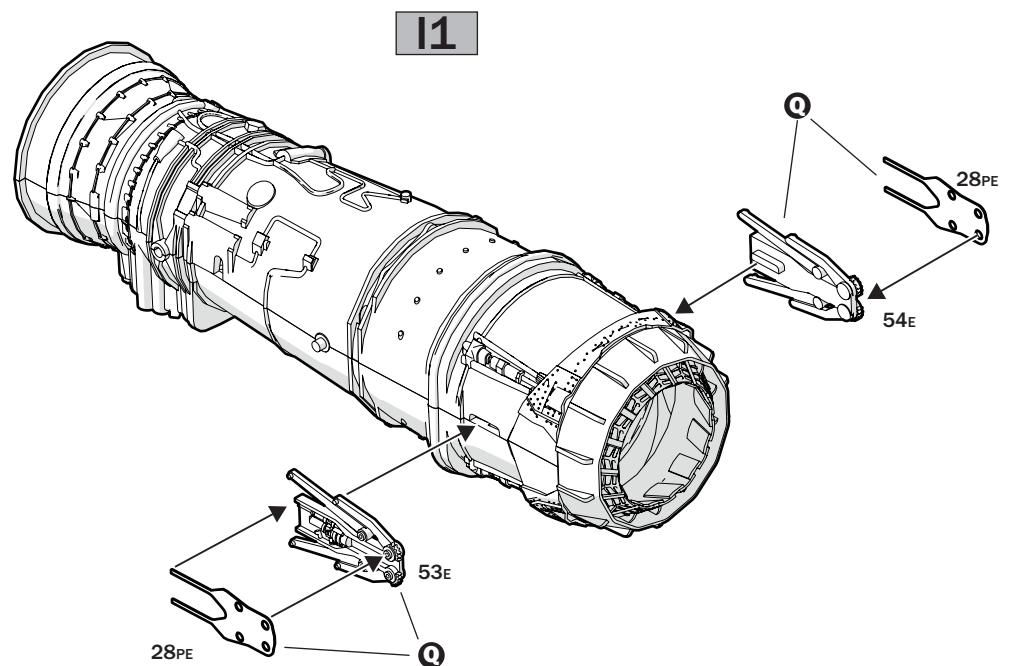
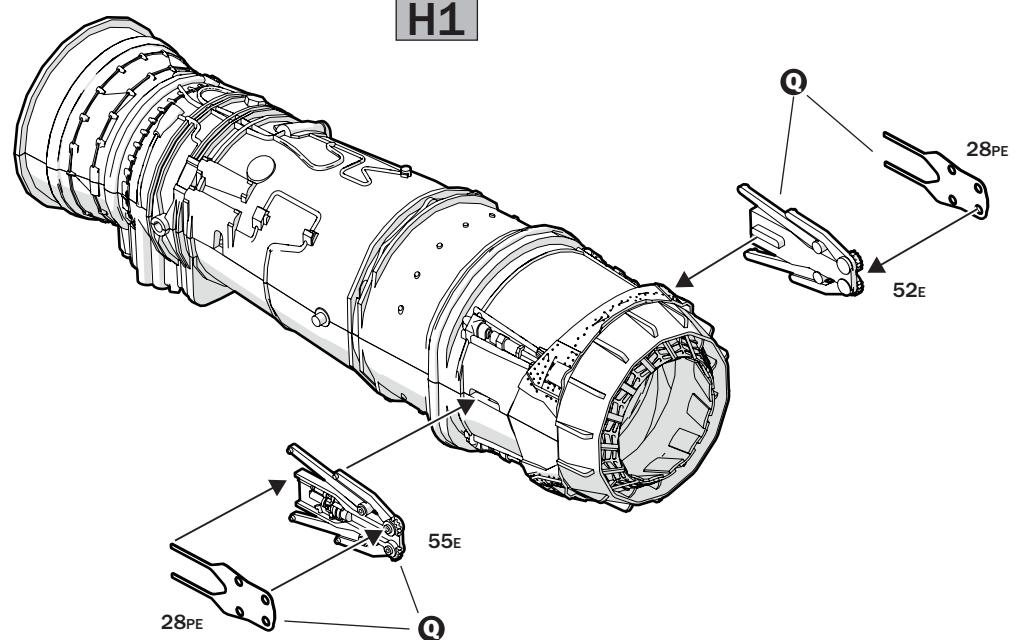
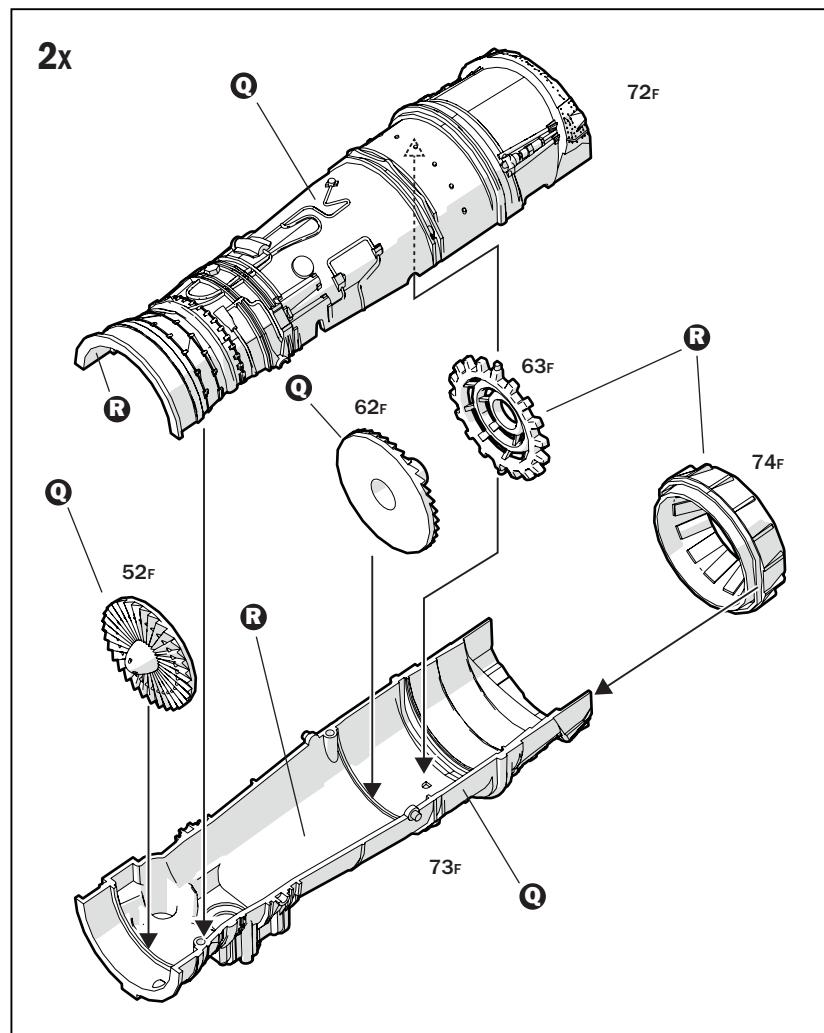
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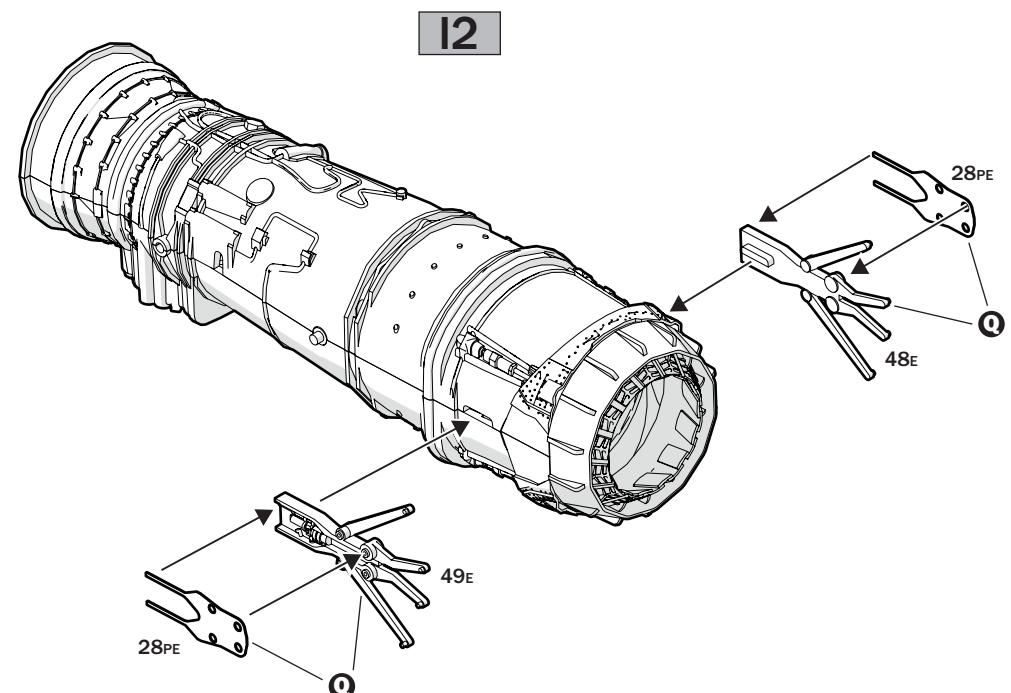
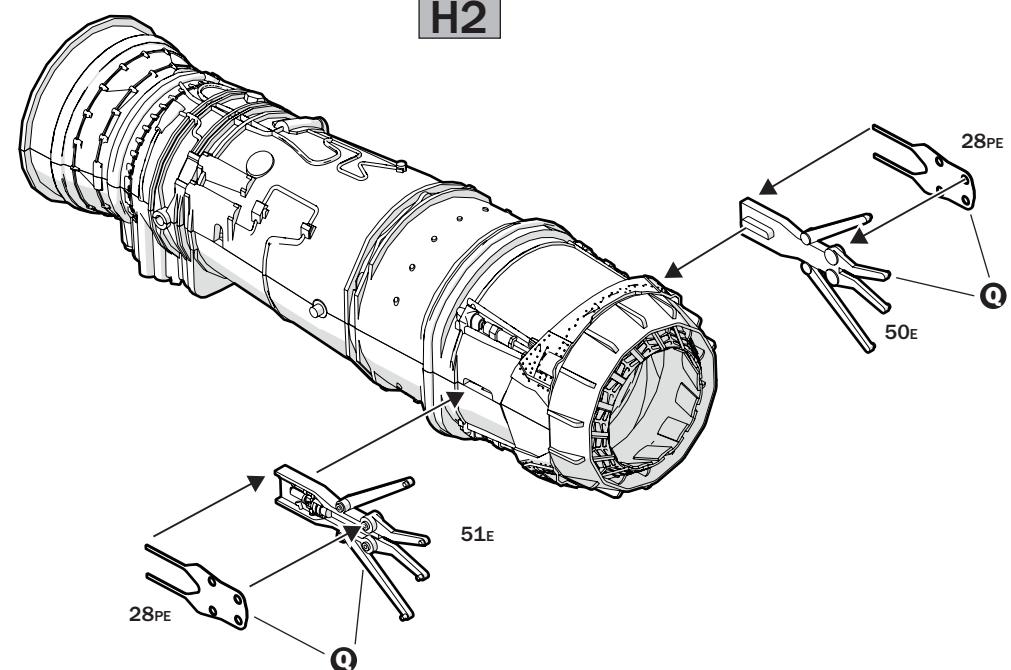
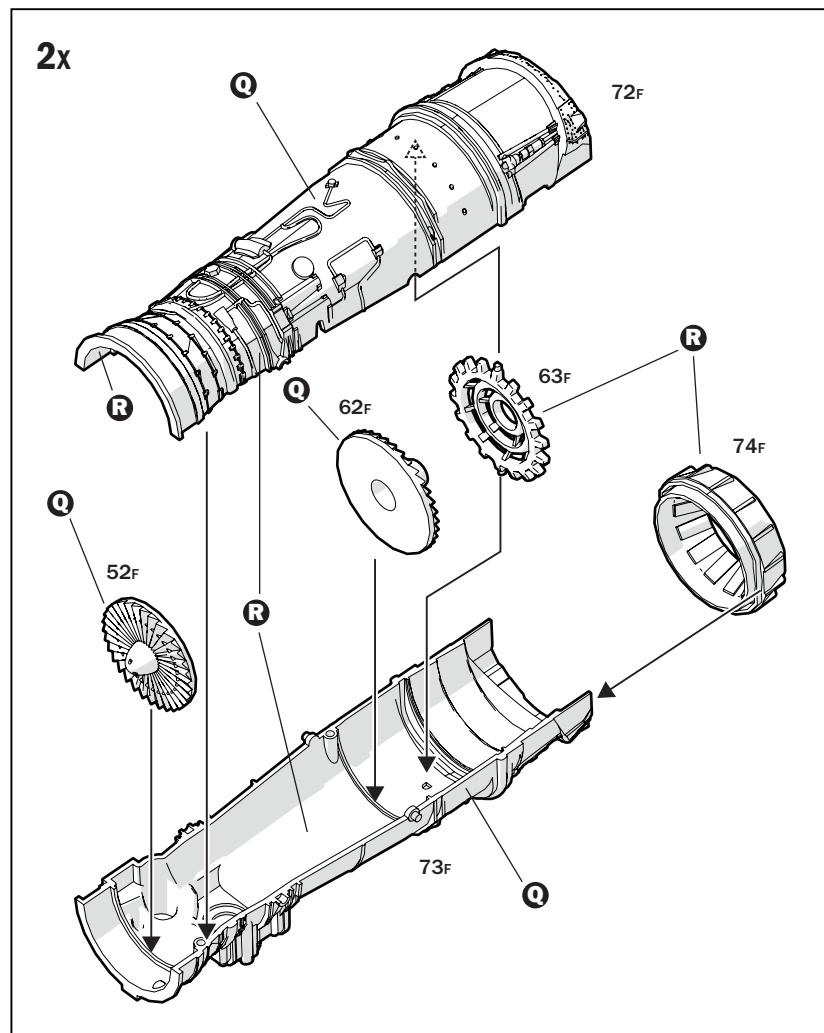


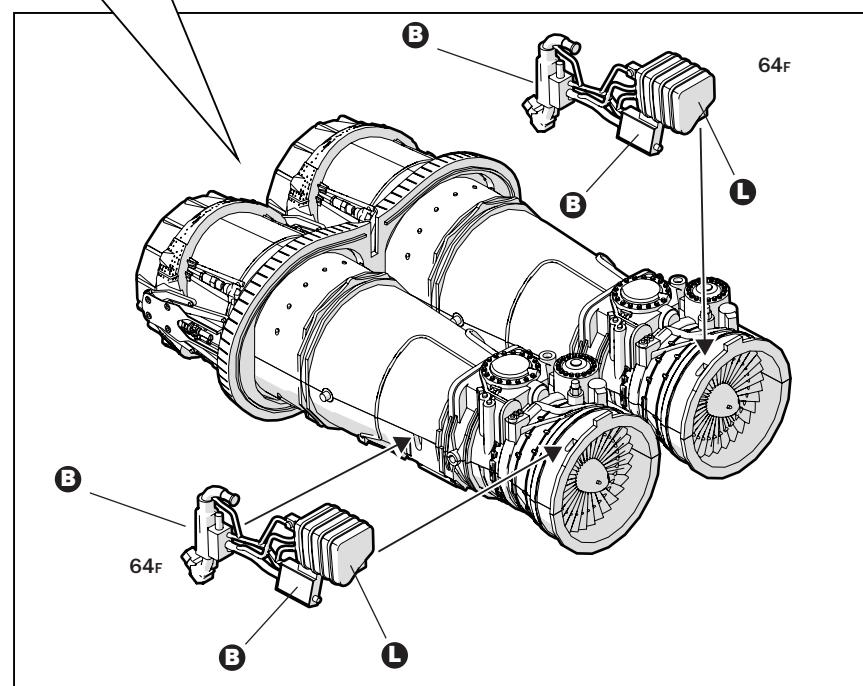
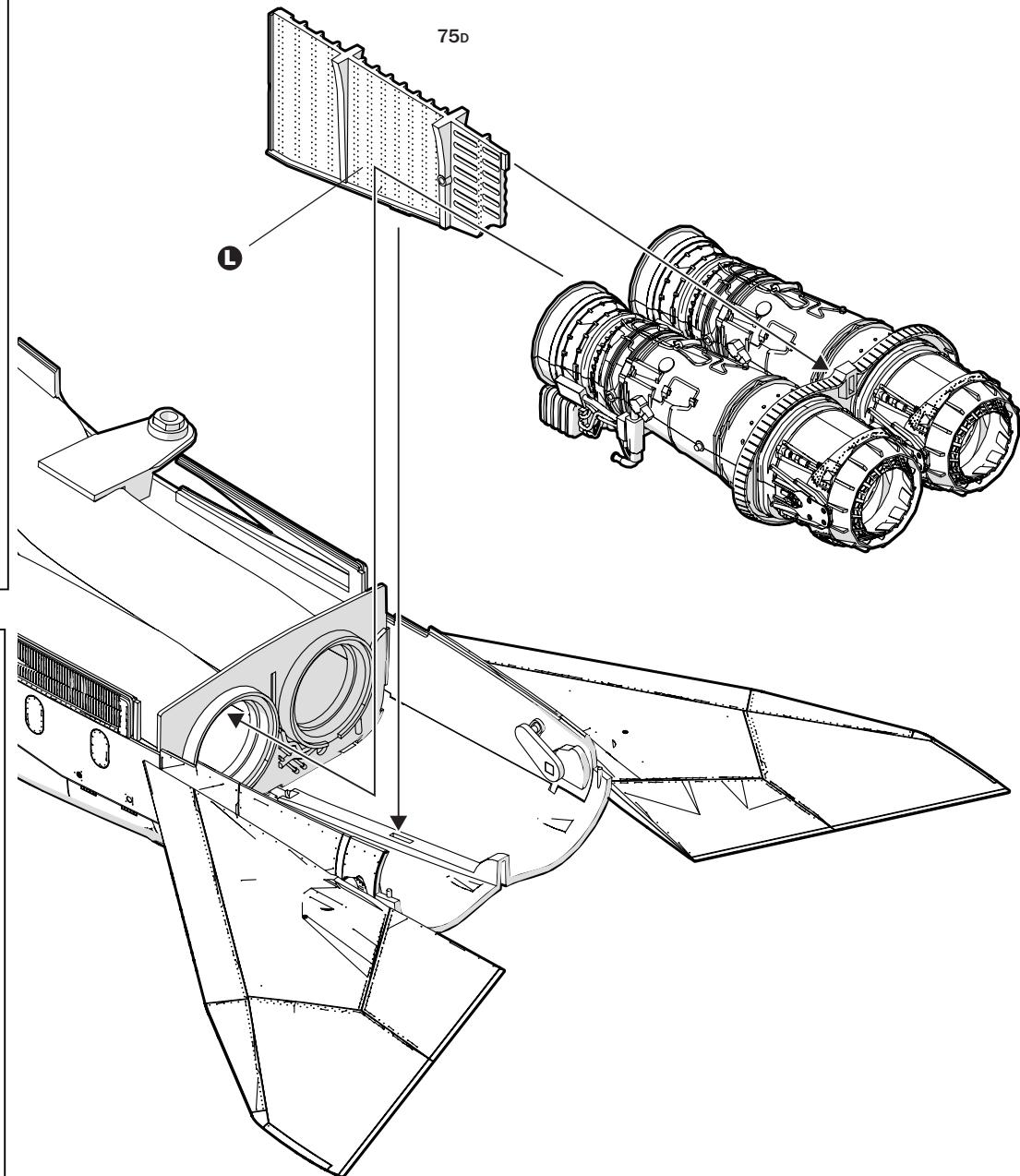
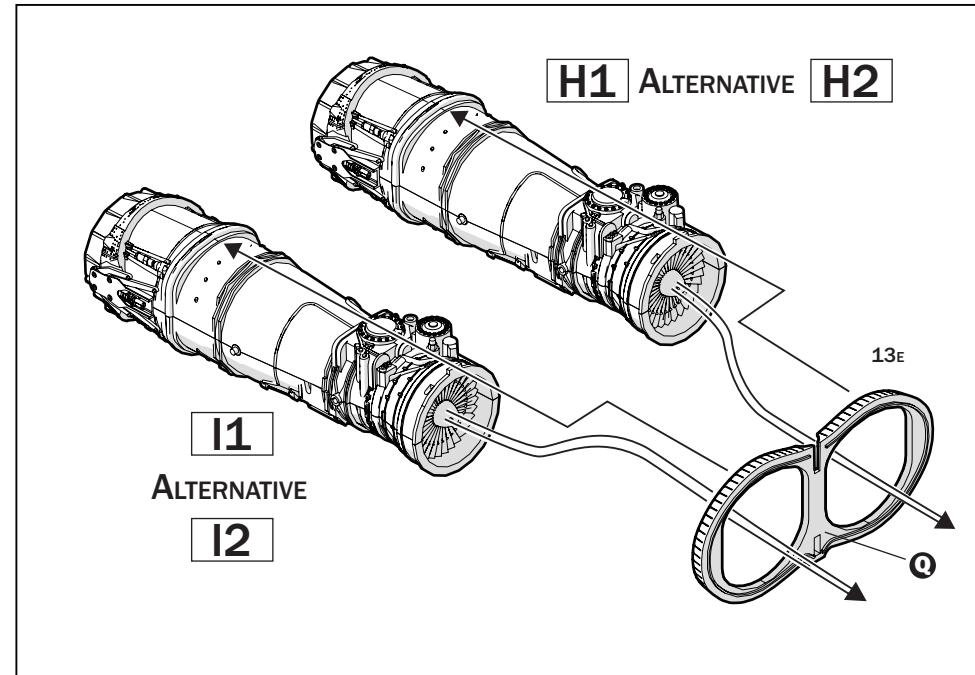


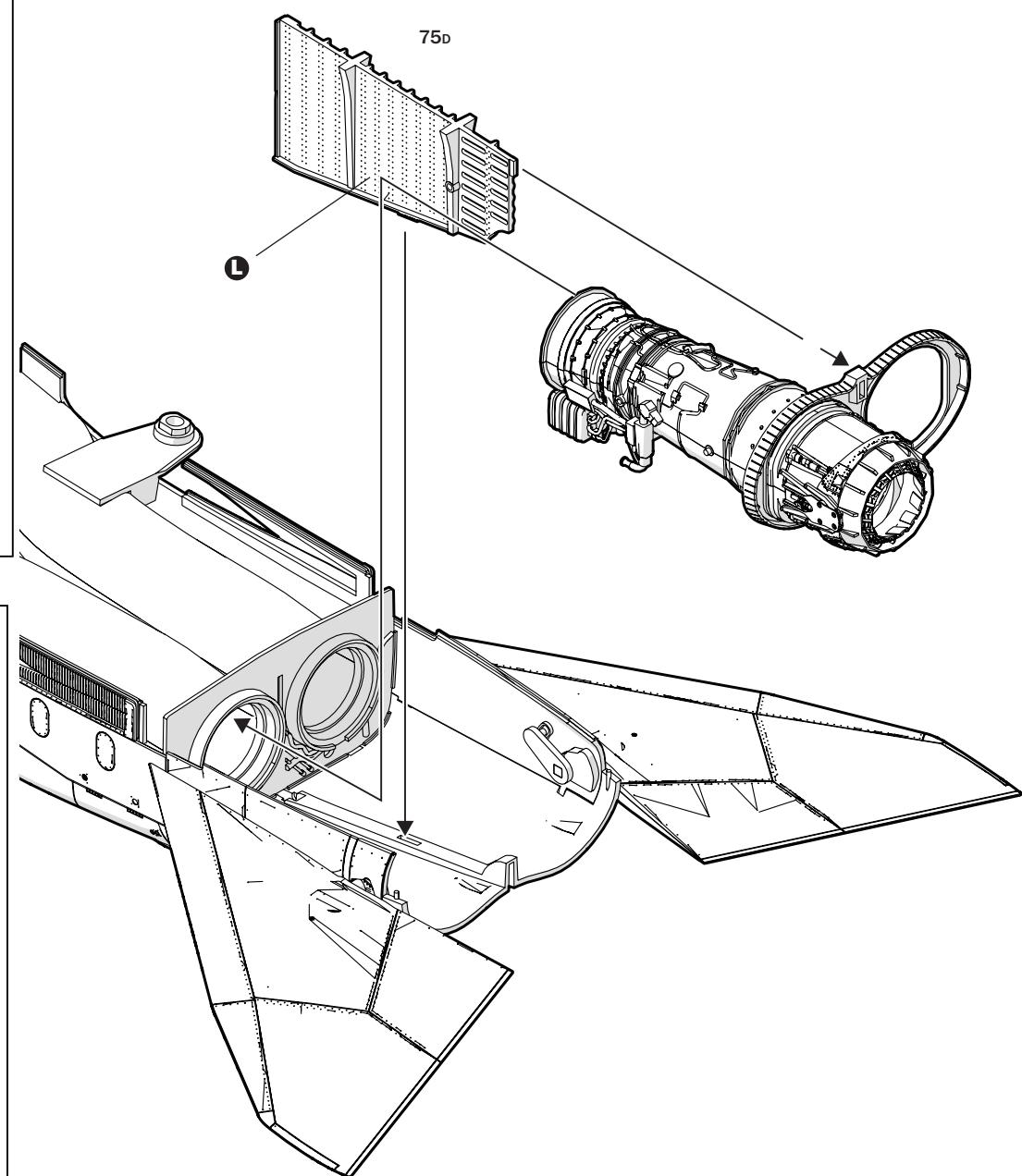
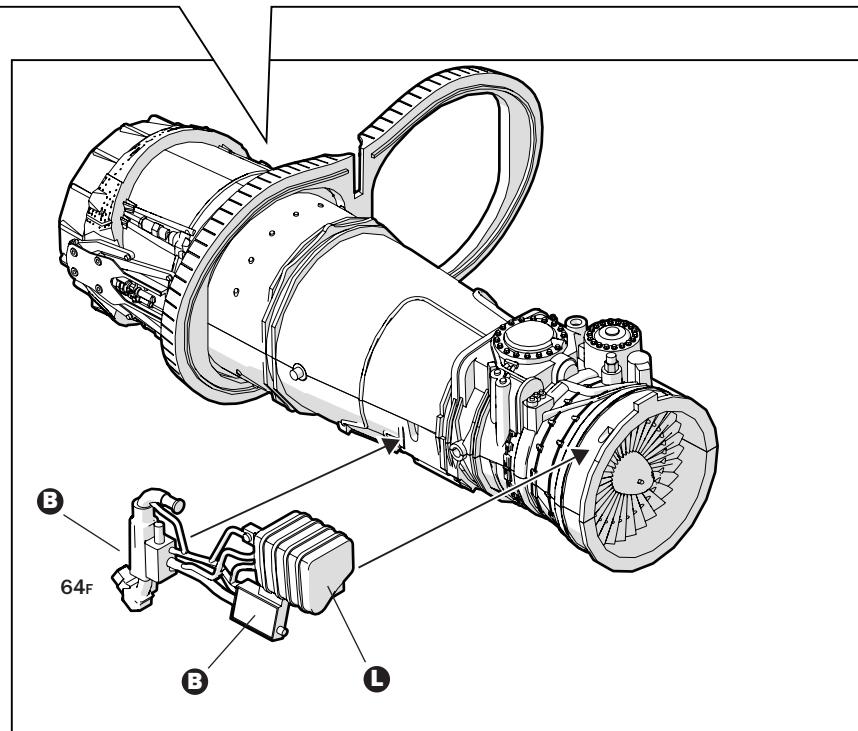
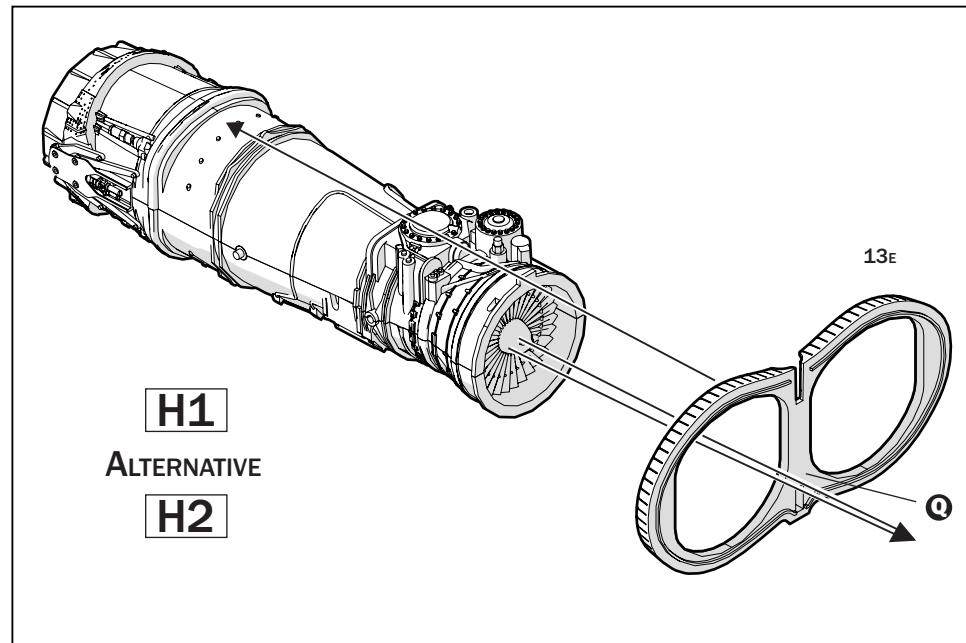
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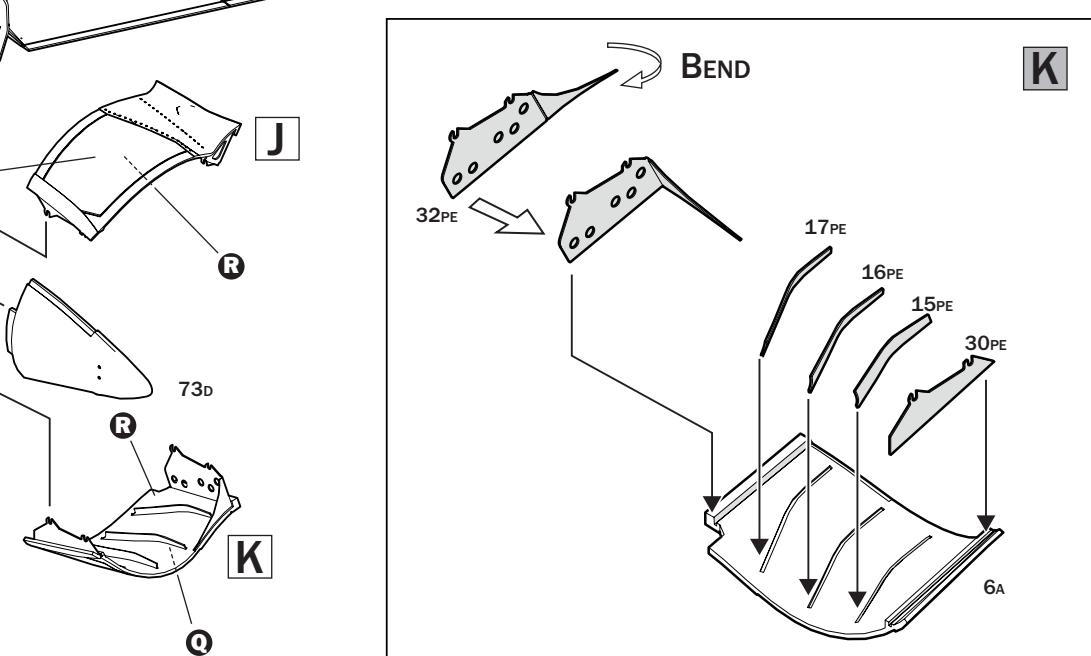
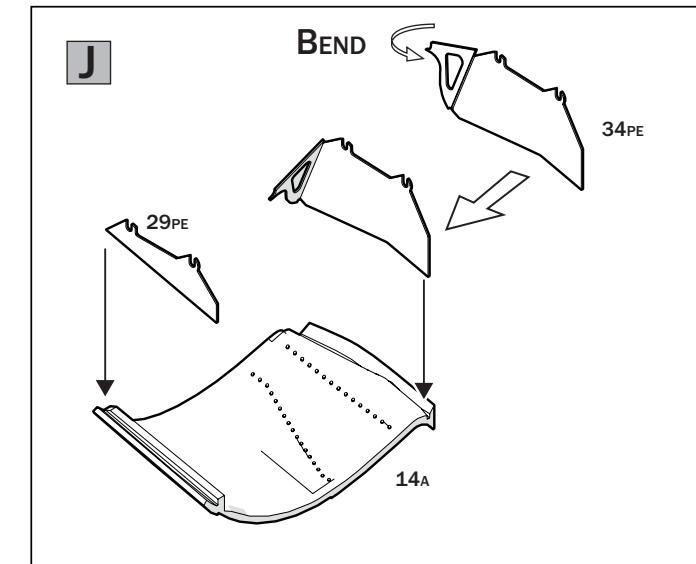
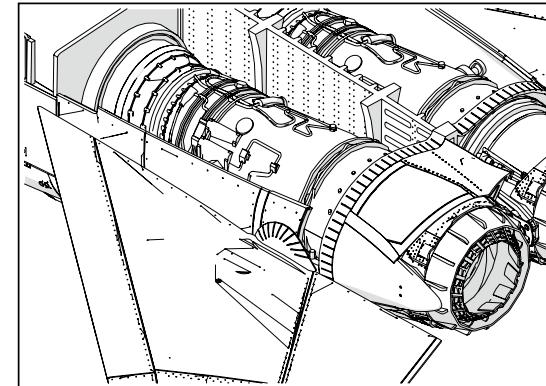
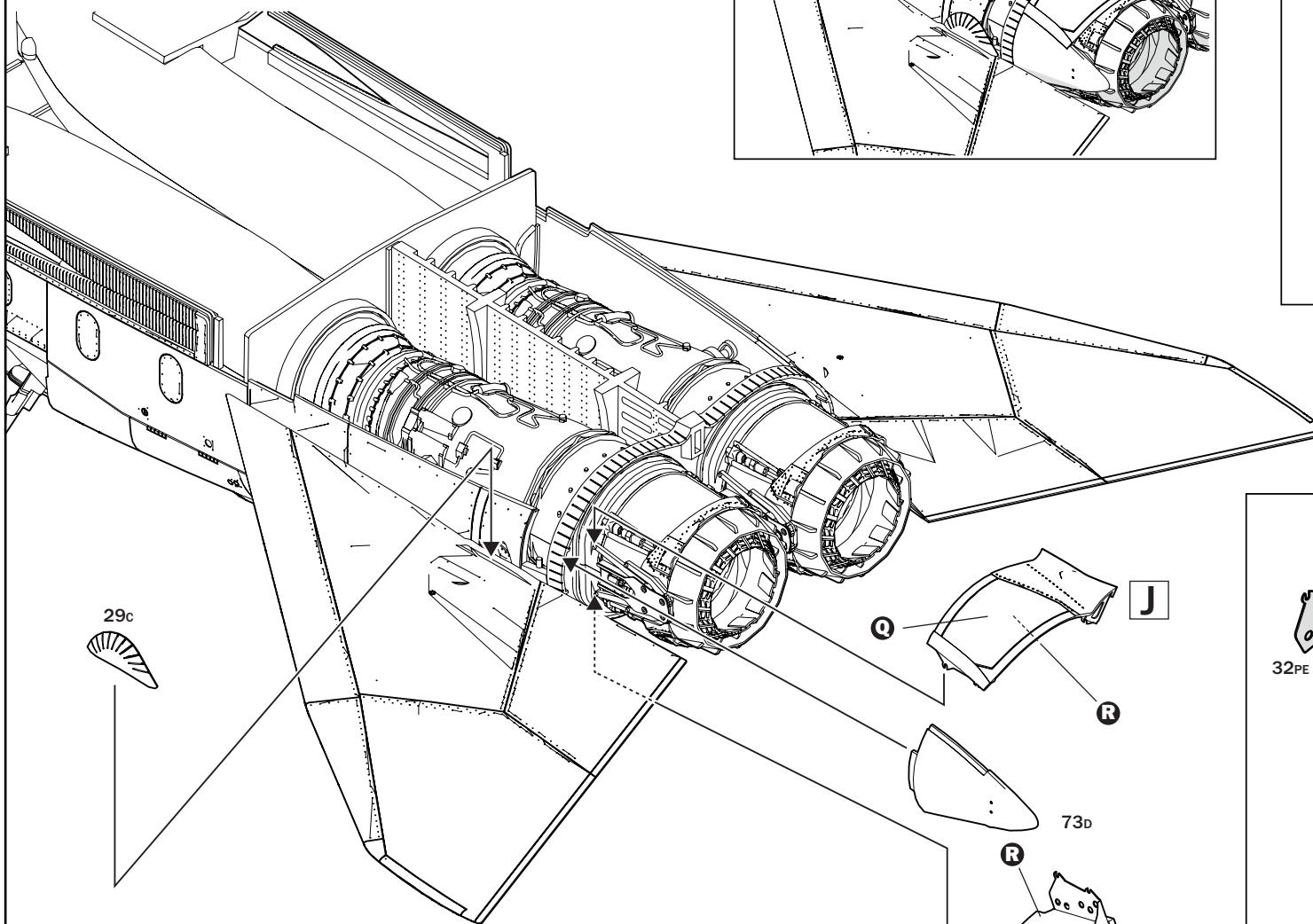
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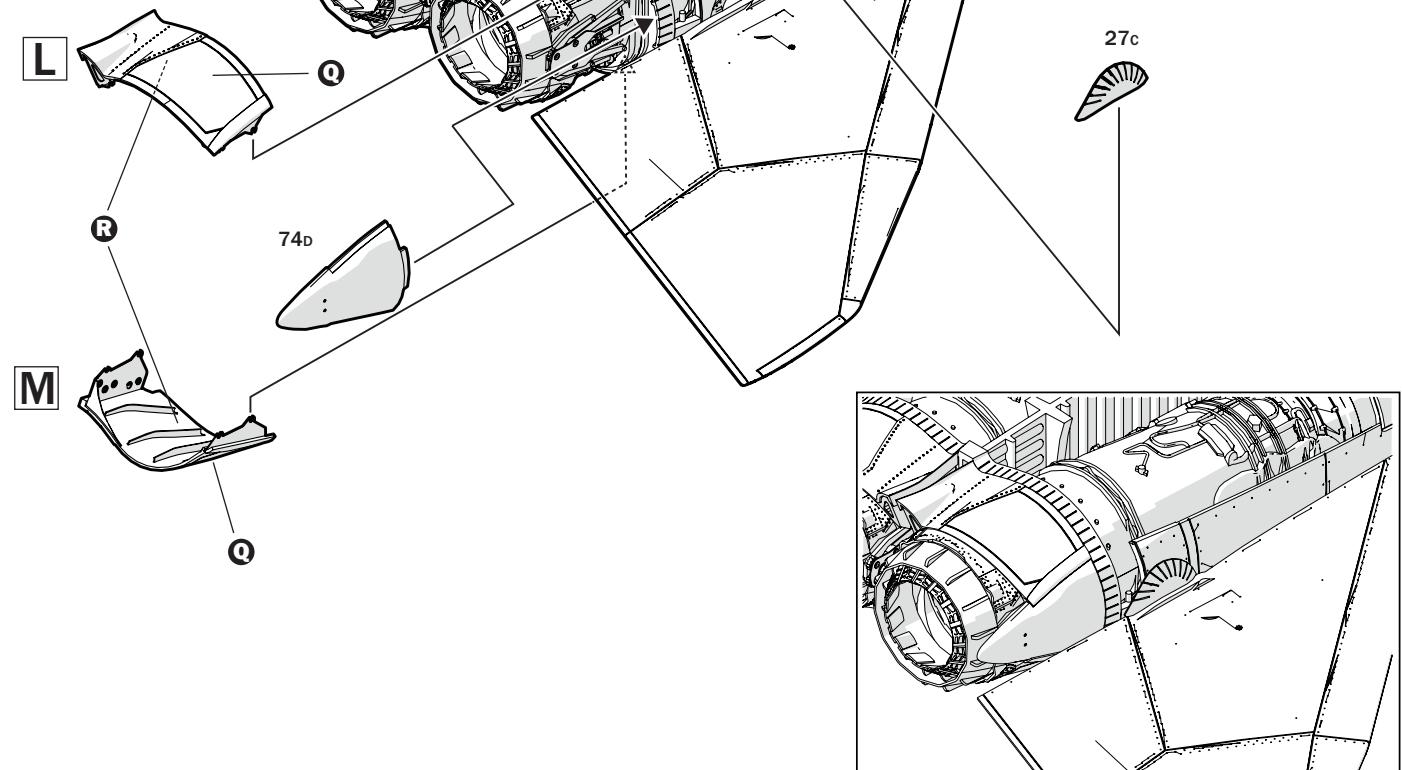
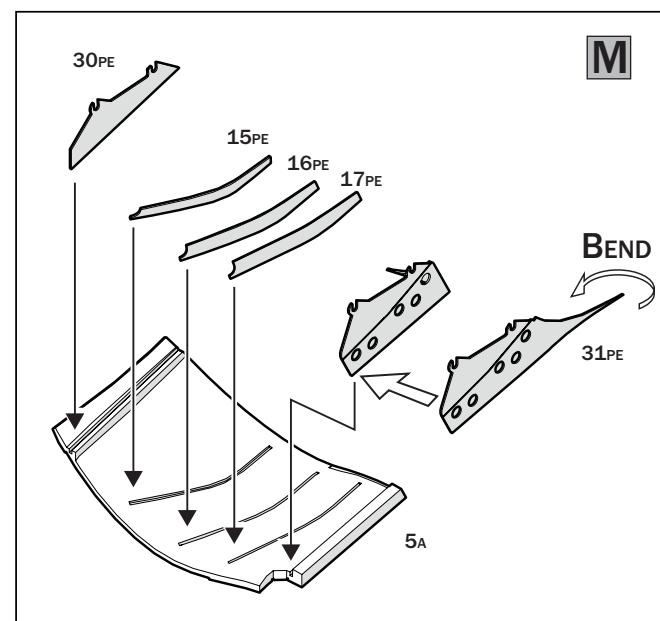
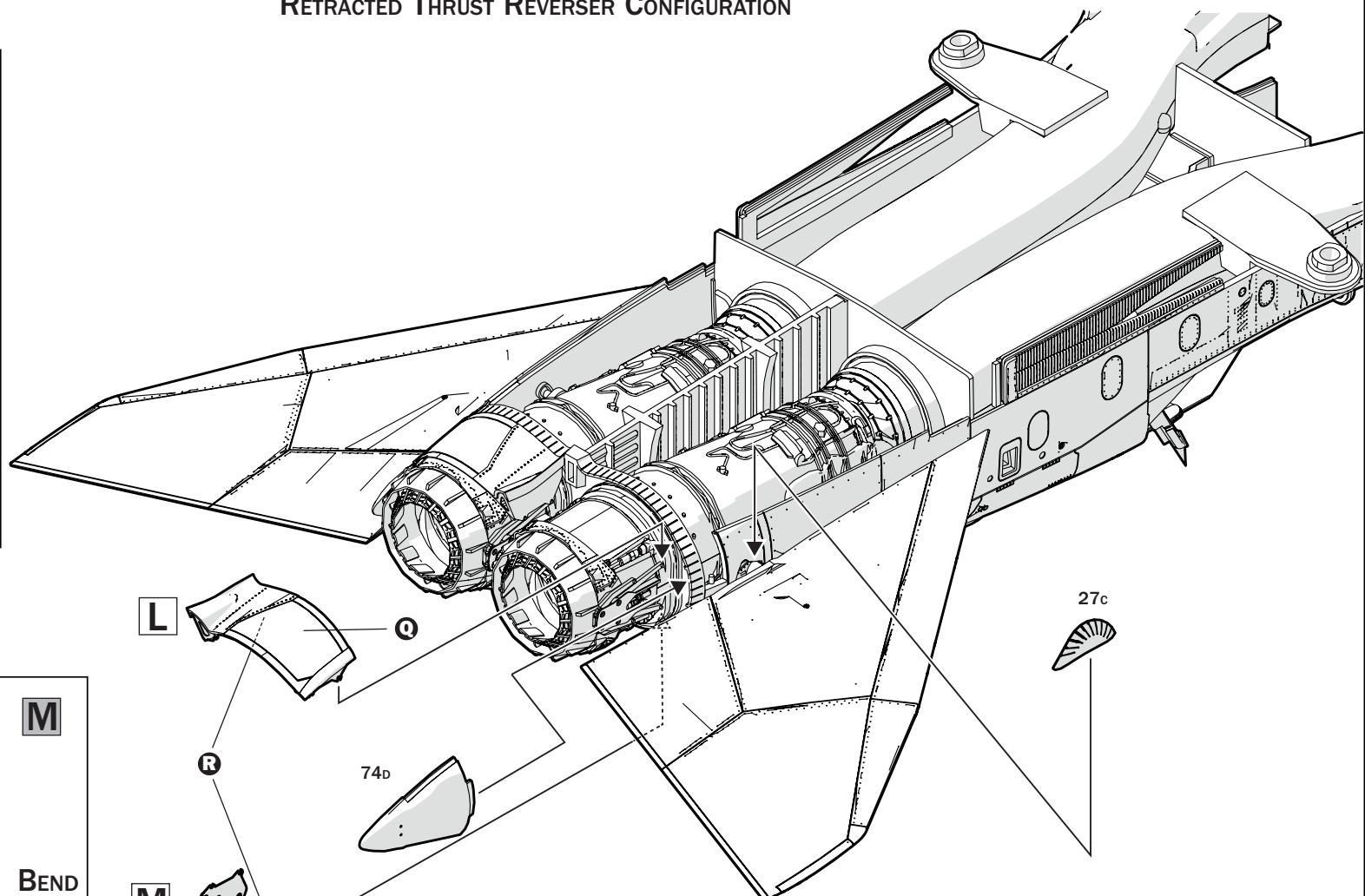
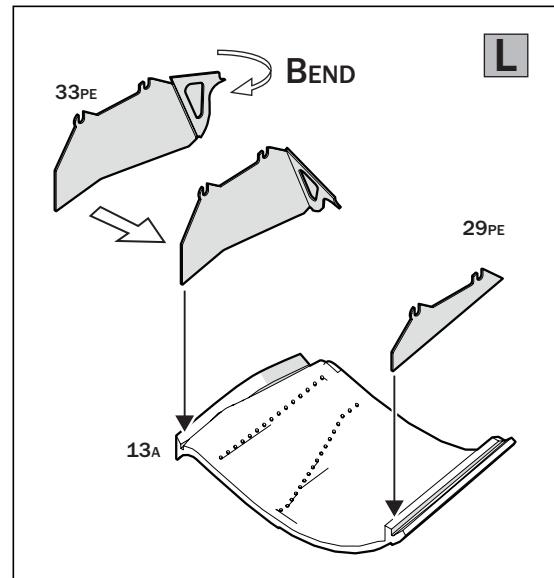




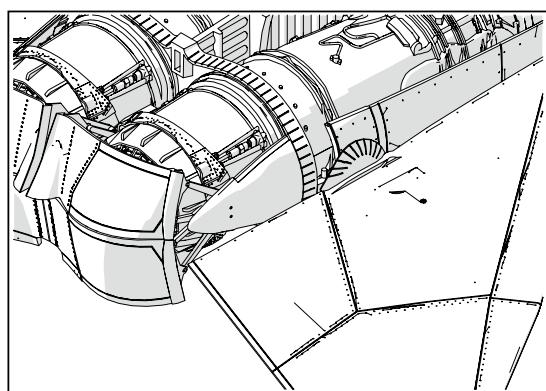
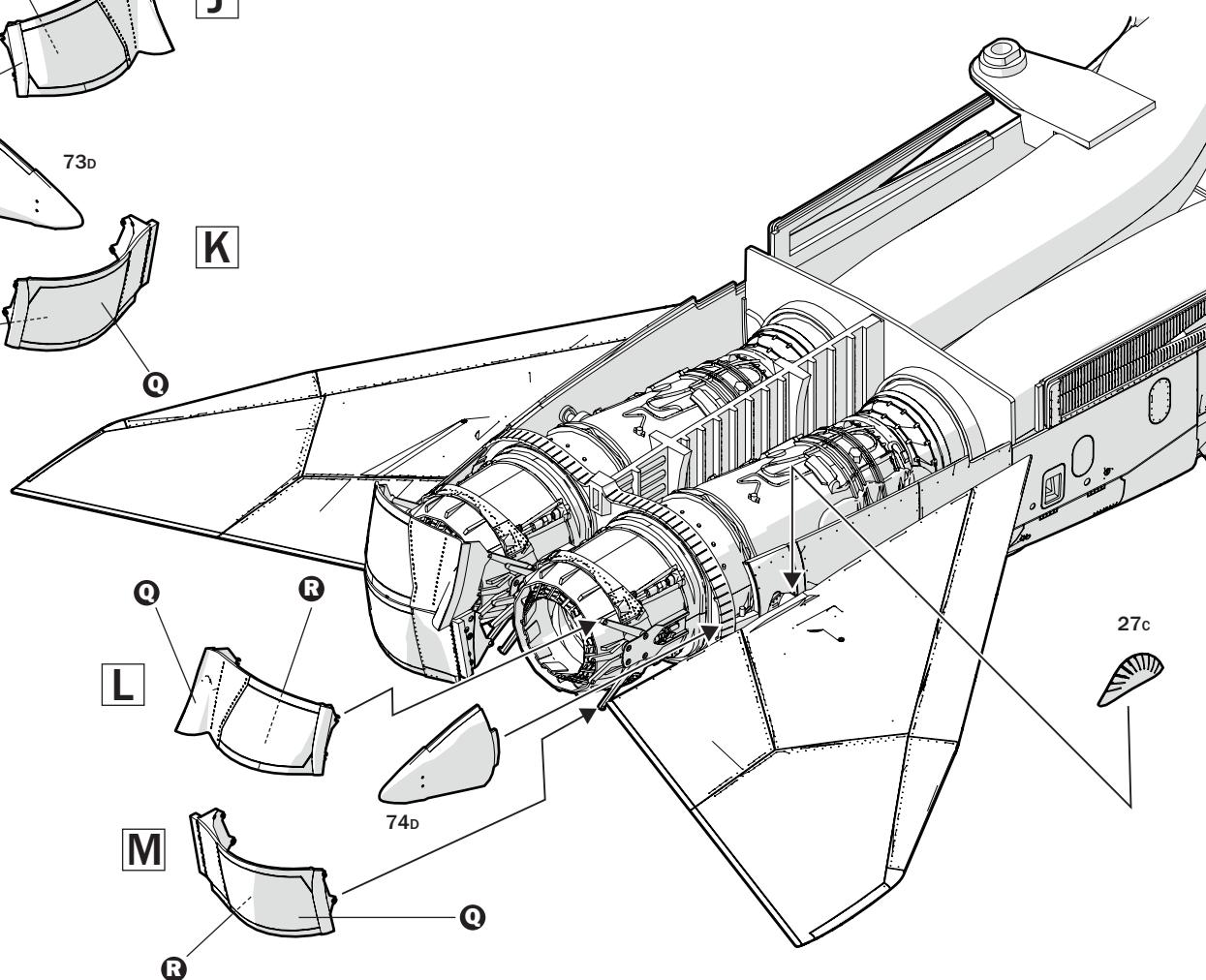
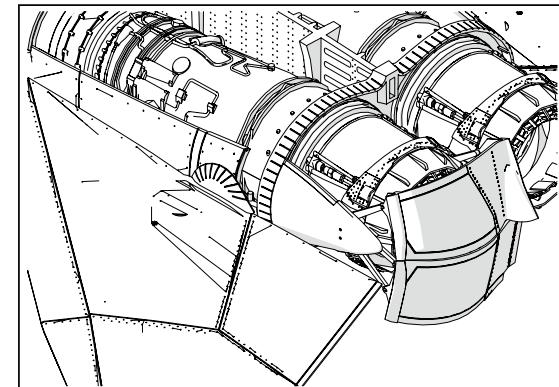
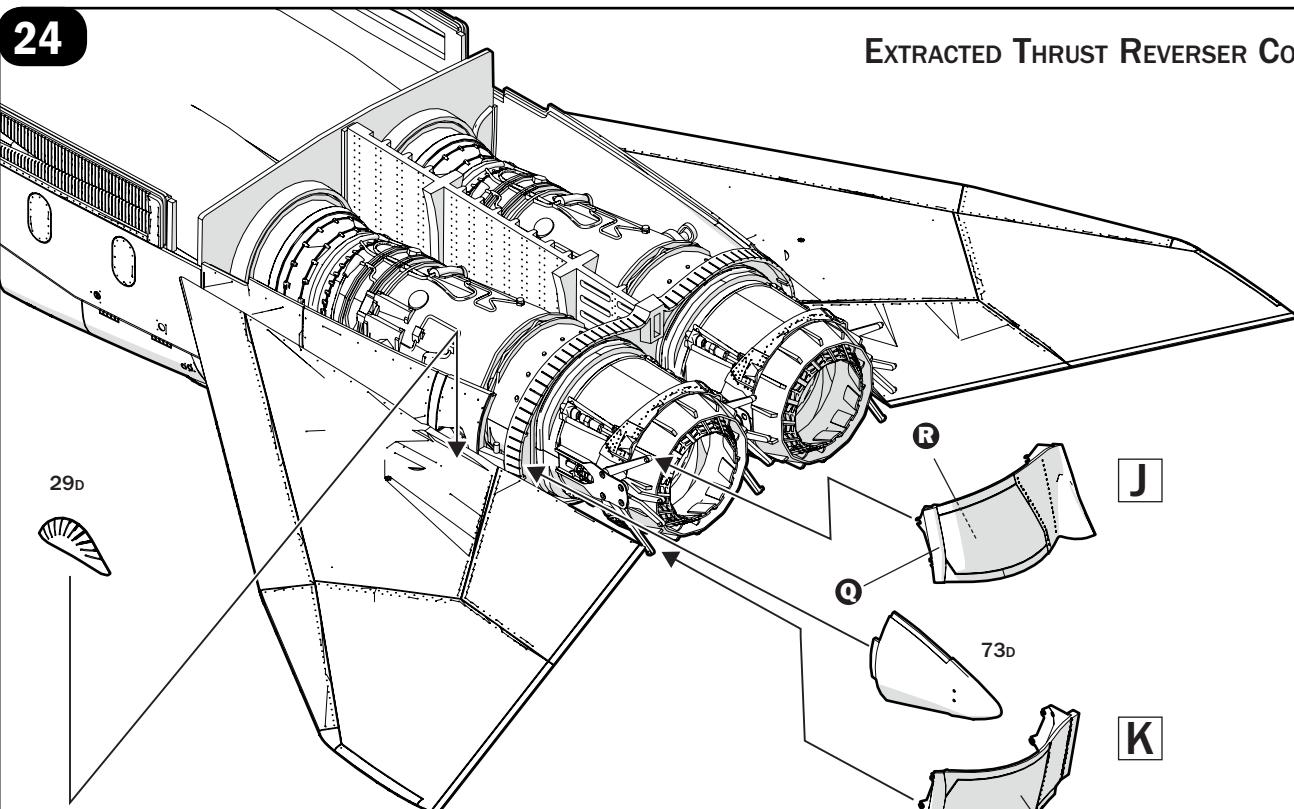
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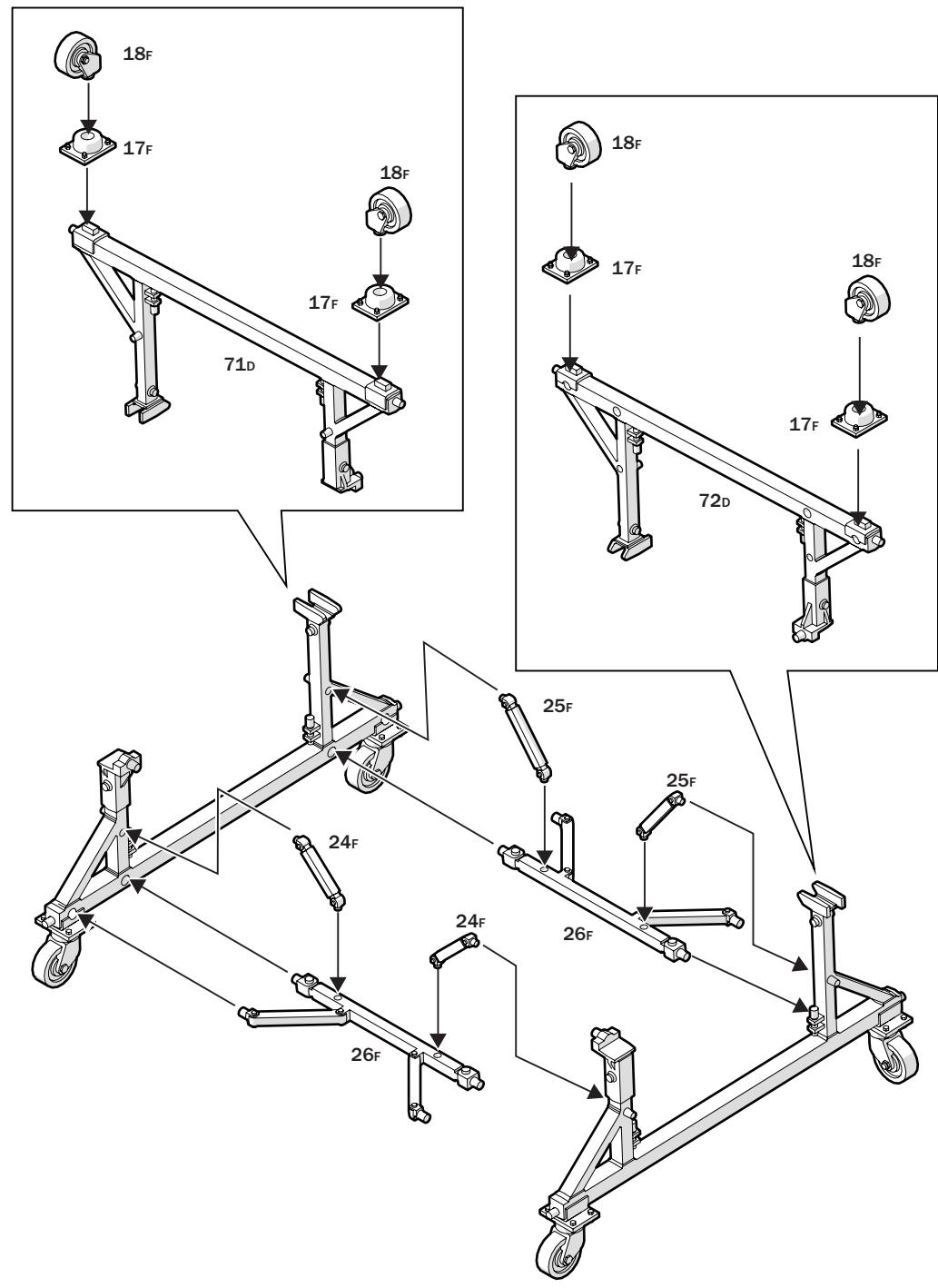
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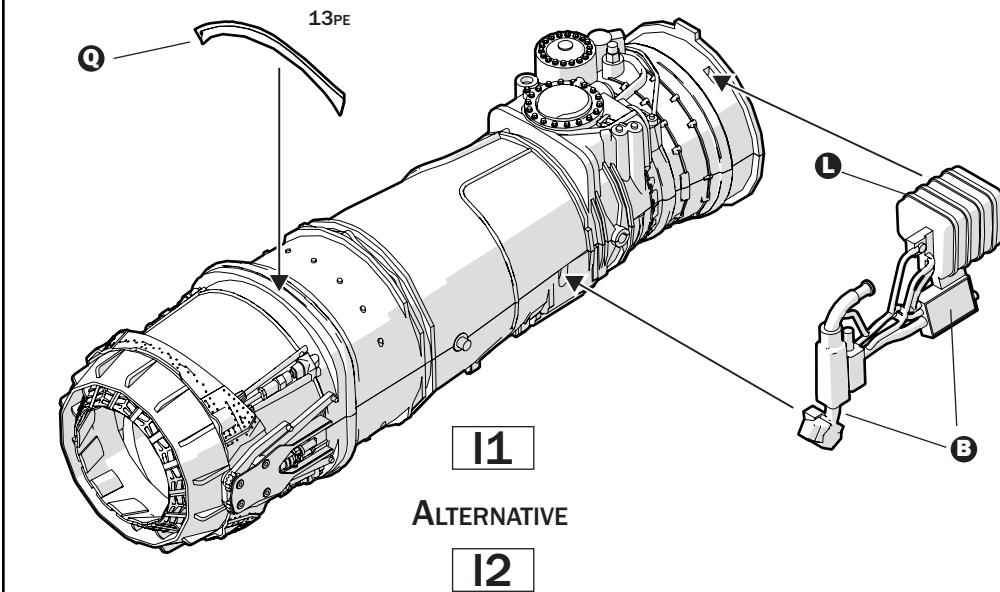
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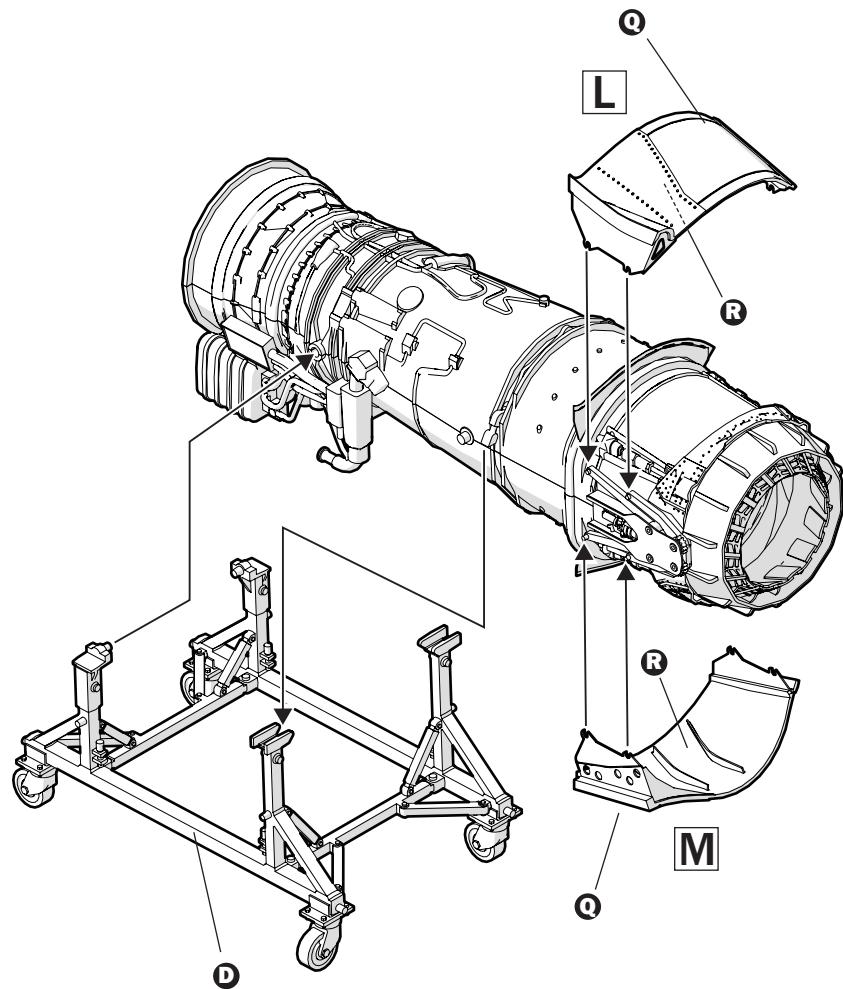
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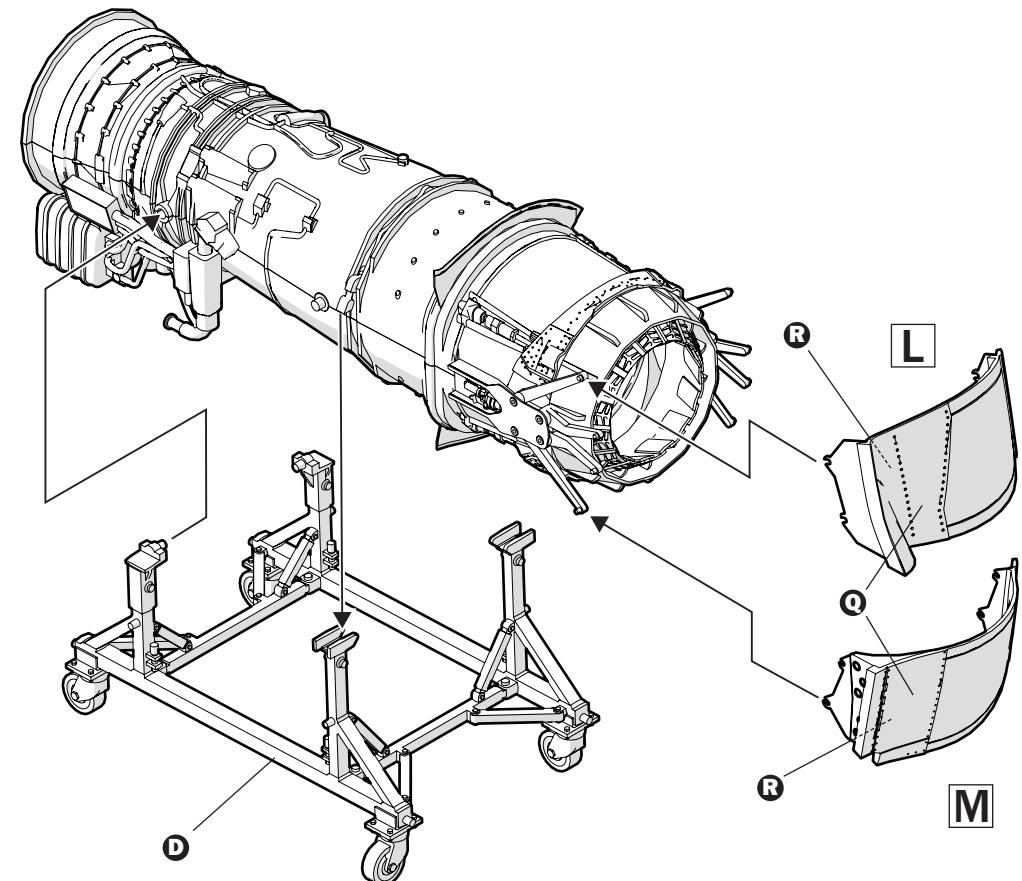
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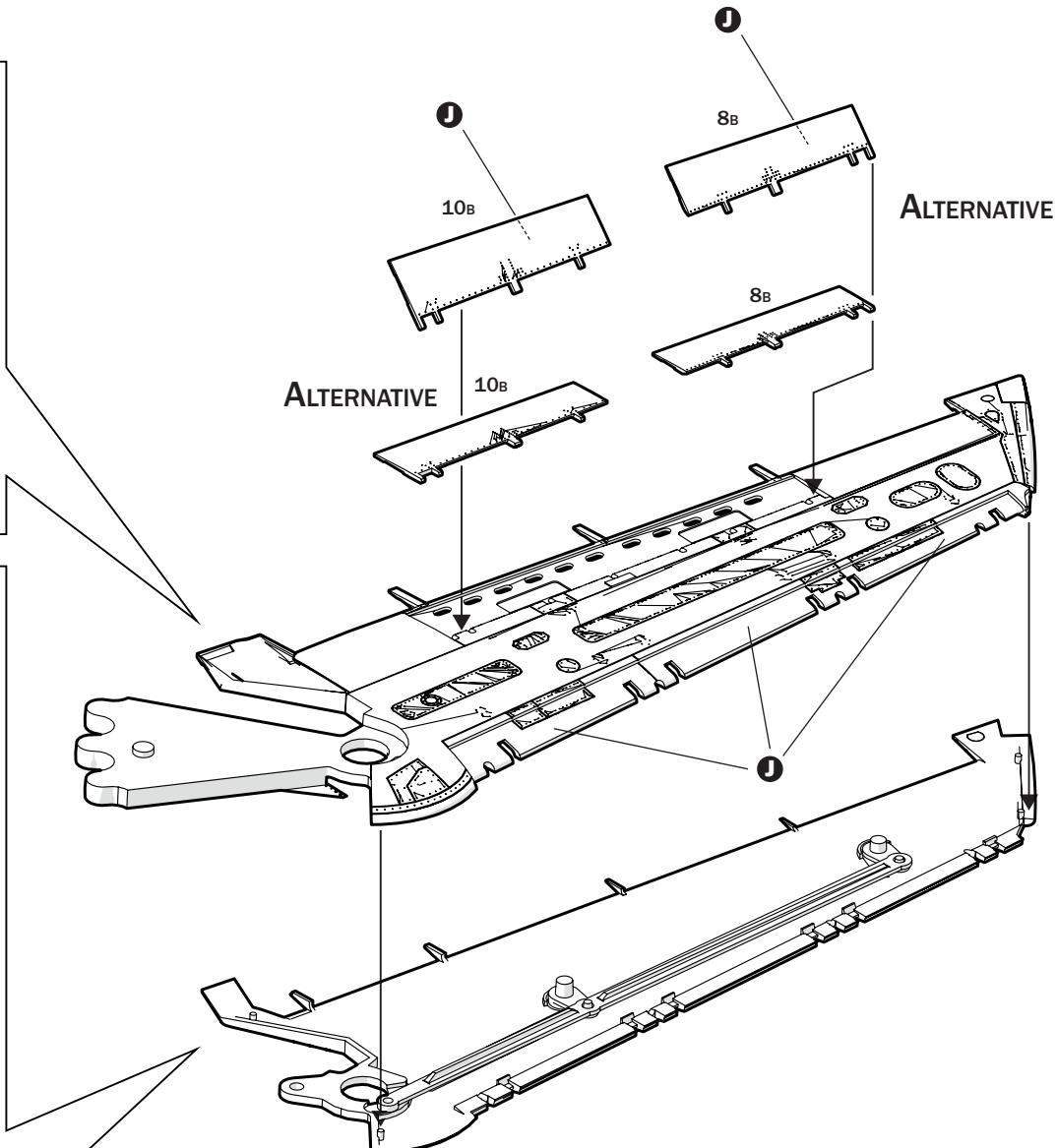
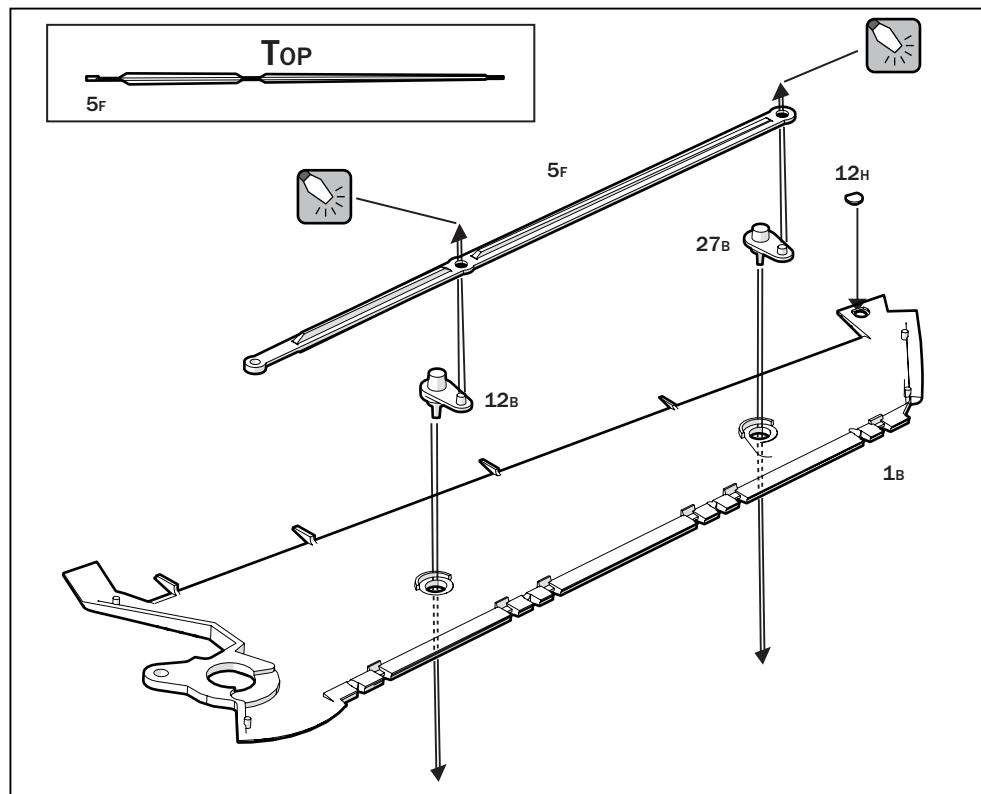
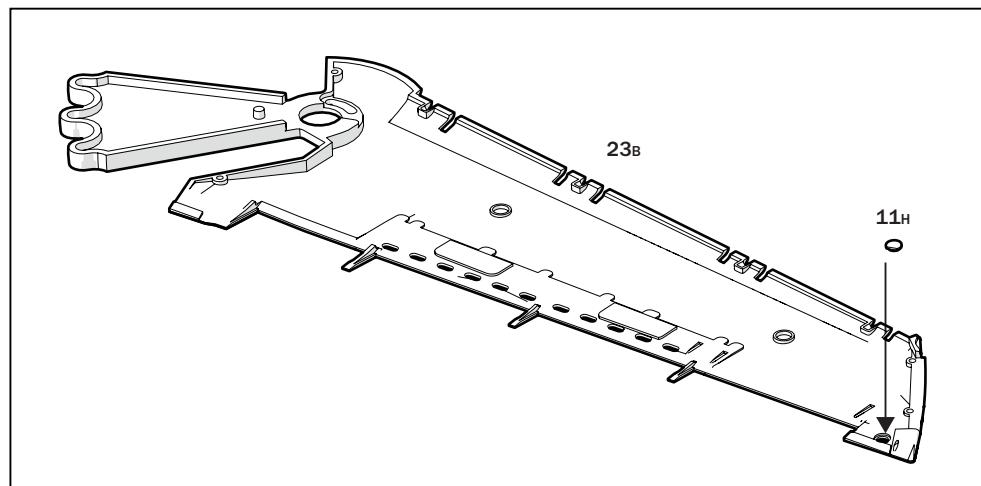


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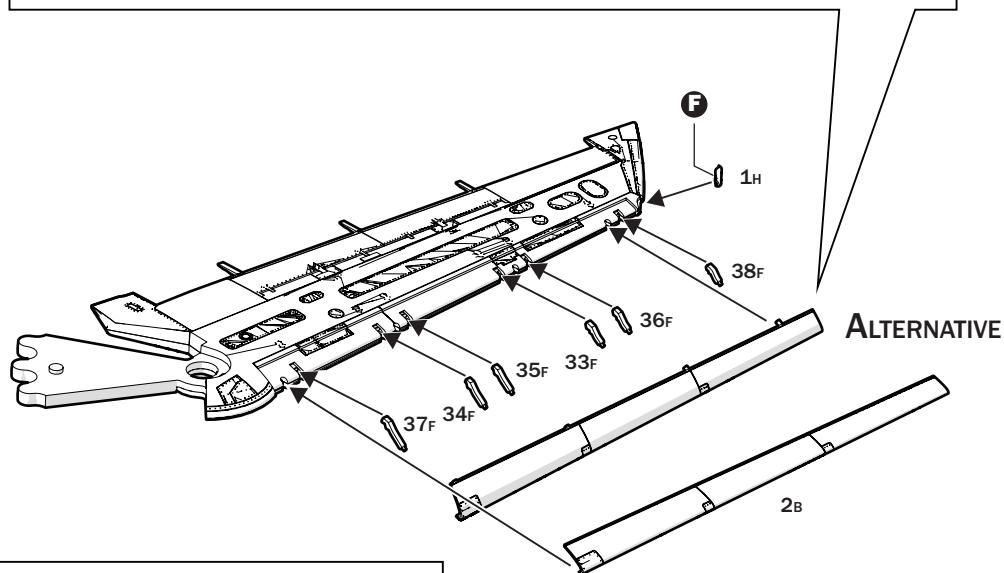
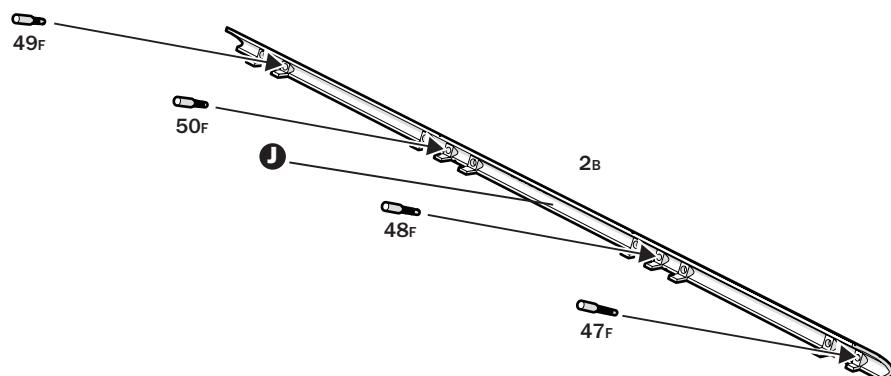
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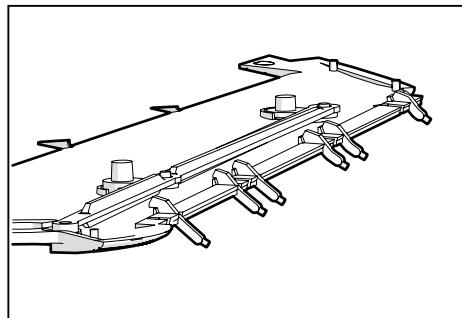


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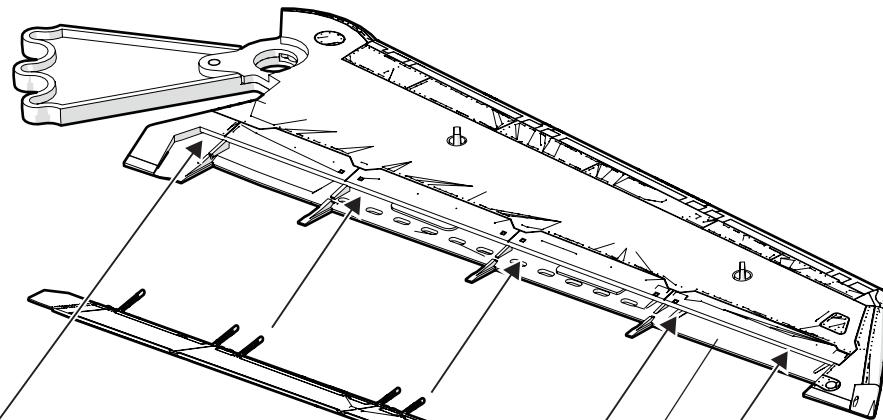
EXTENDED SLATS CONFIGURATION



RETRACTED SLAT CONFIGURATION



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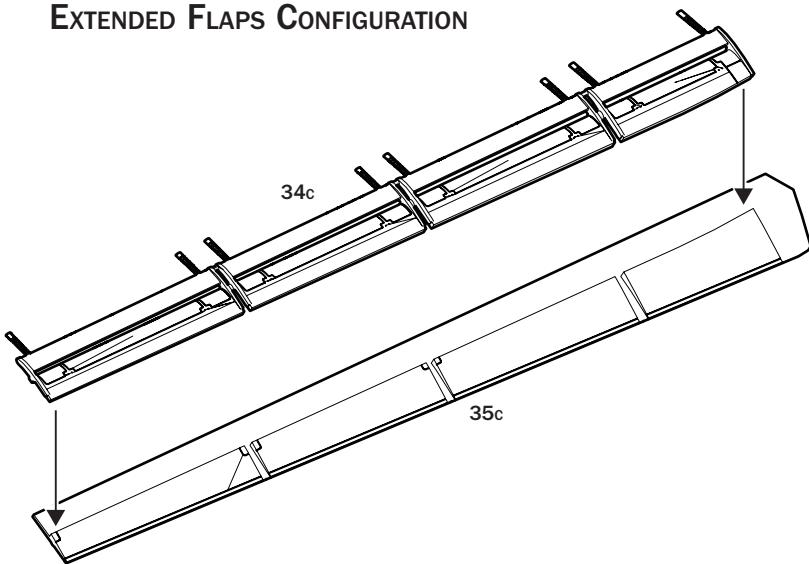


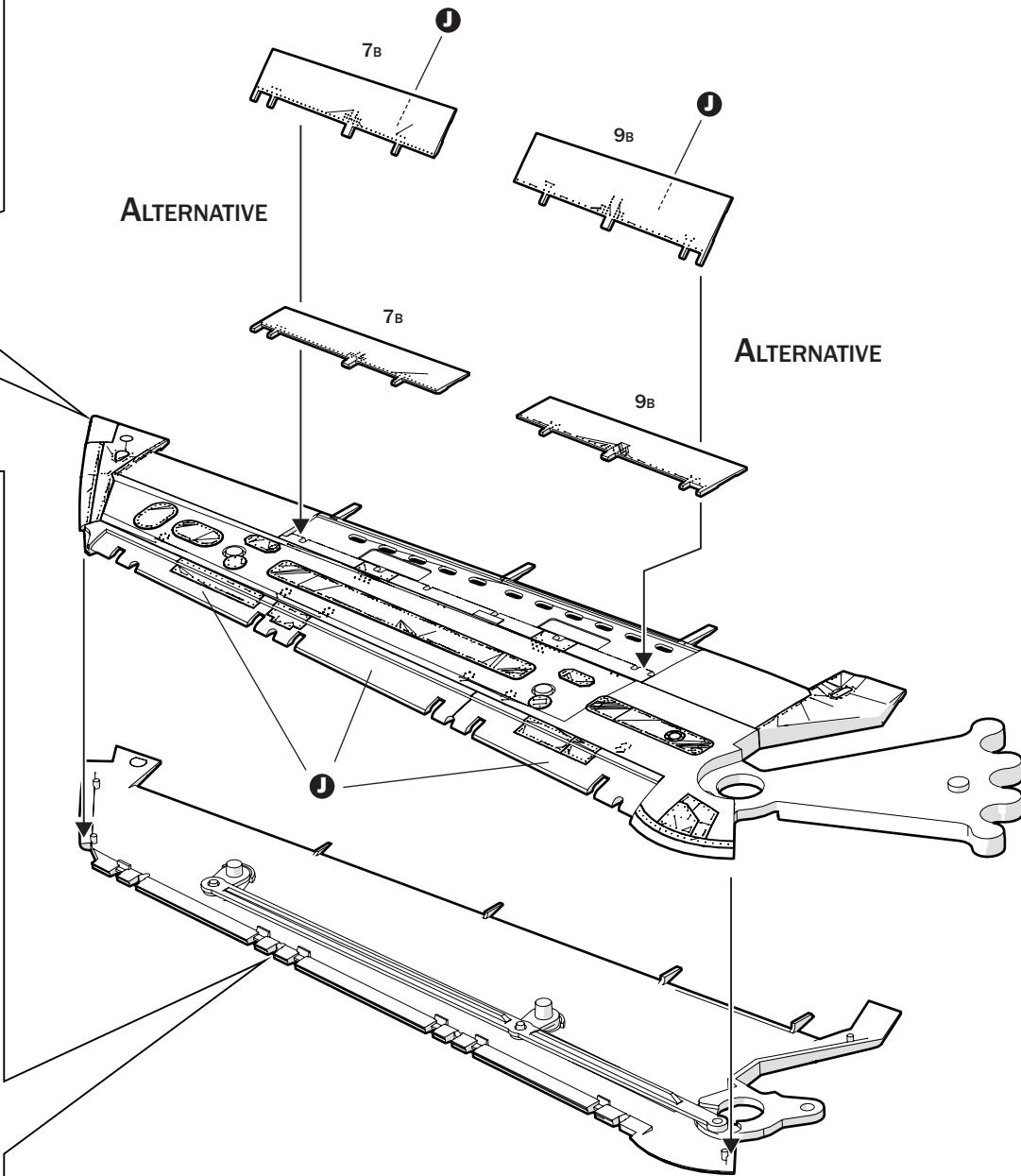
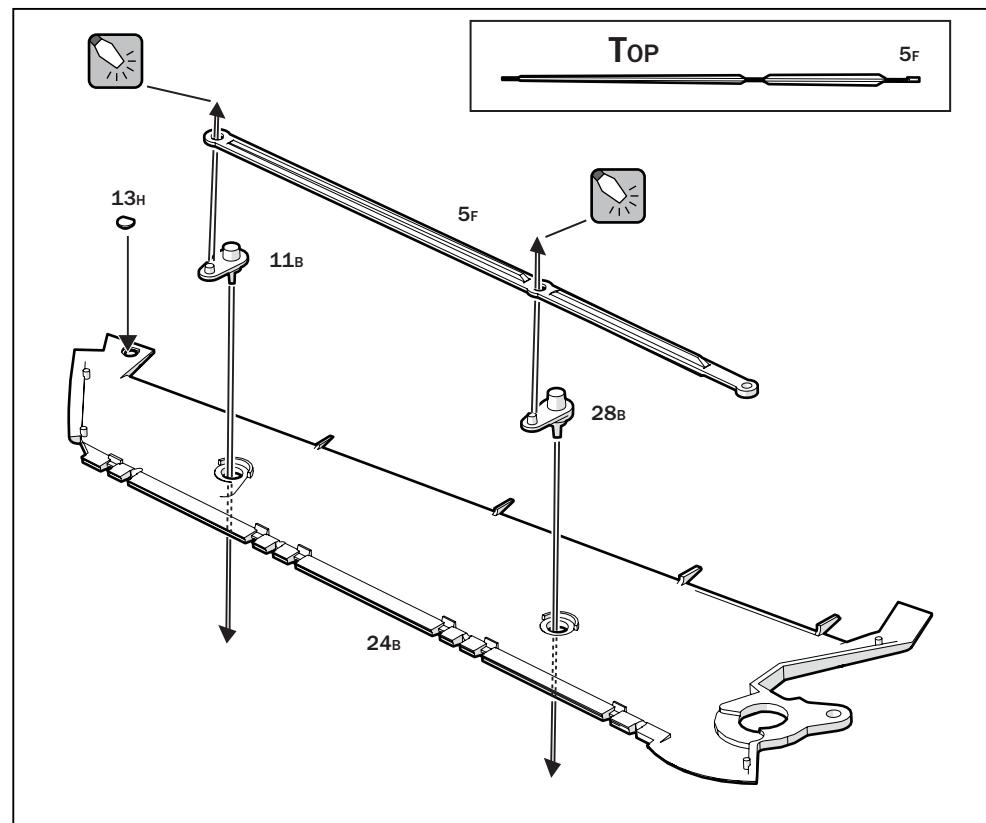
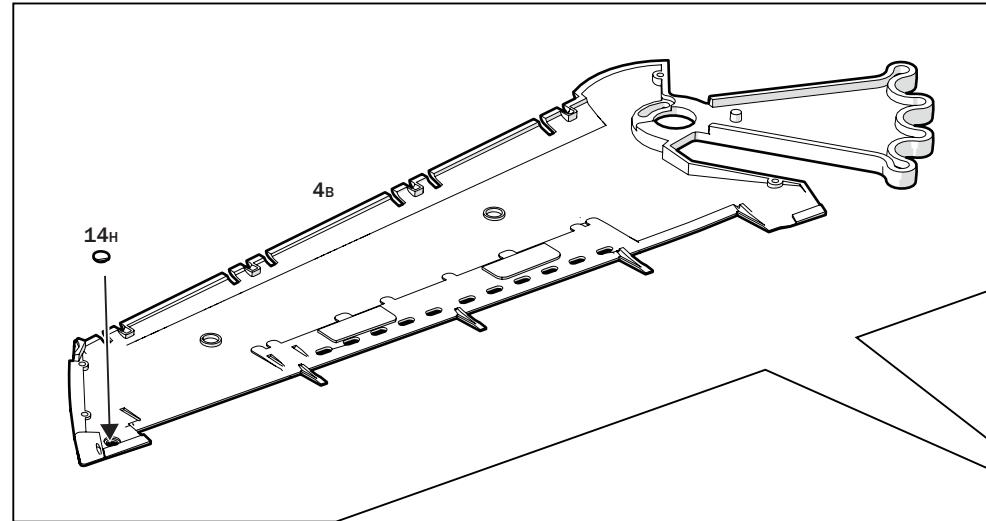
ALTERNATIVE



RETRACTED FLAP VERSION

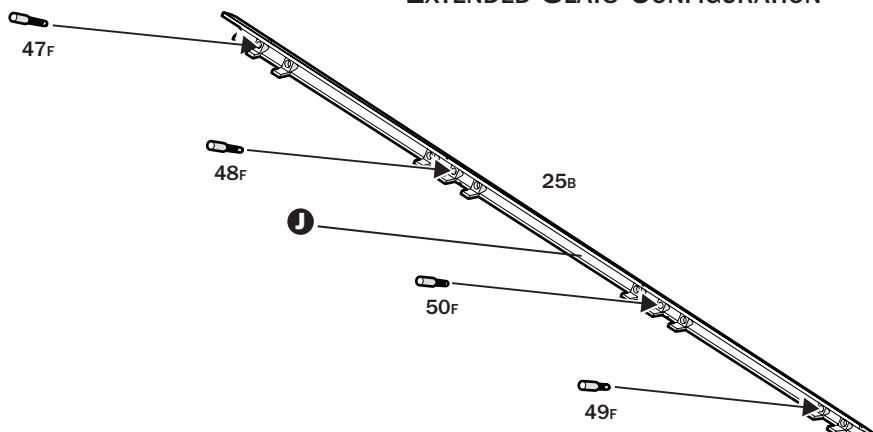
EXTENDED FLAPS CONFIGURATION



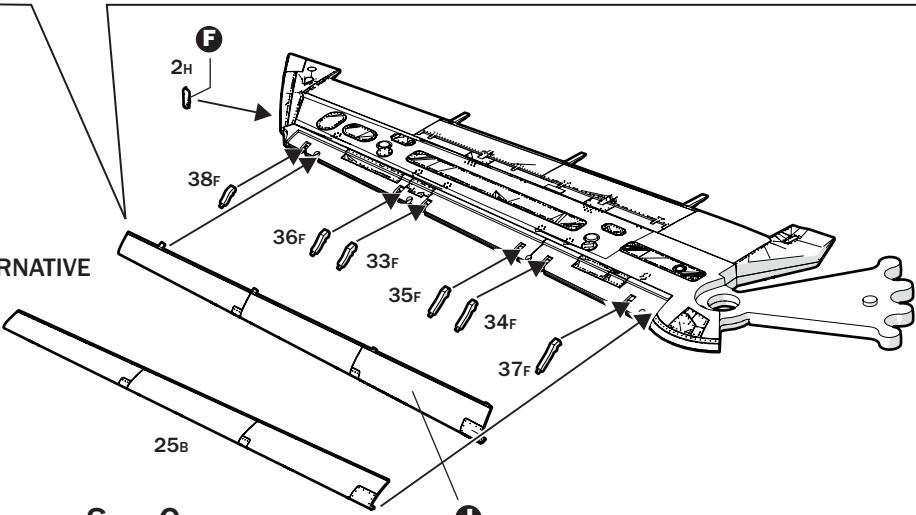


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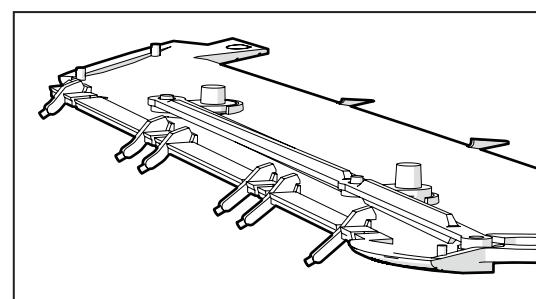
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ALTERNATIVE

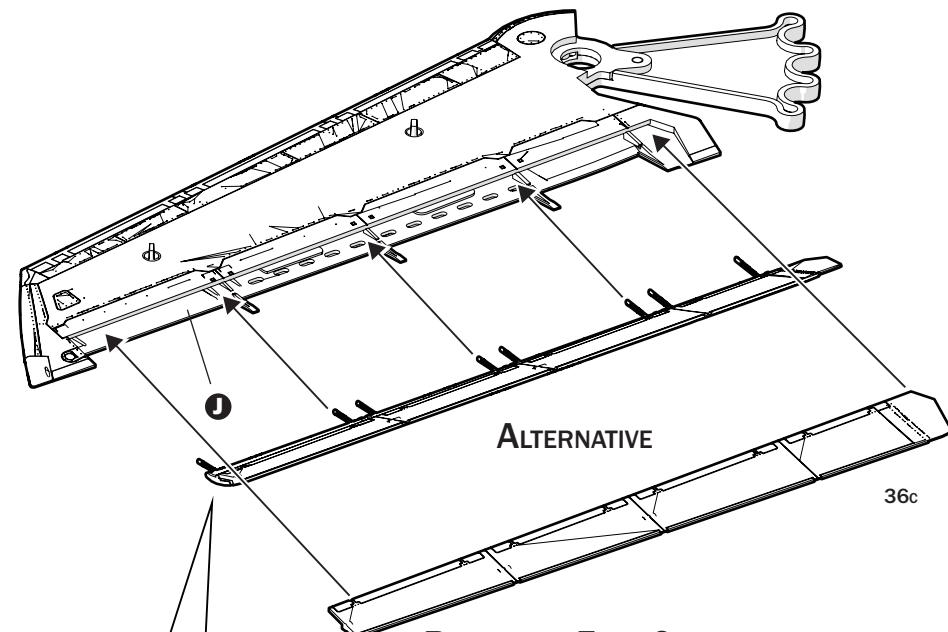


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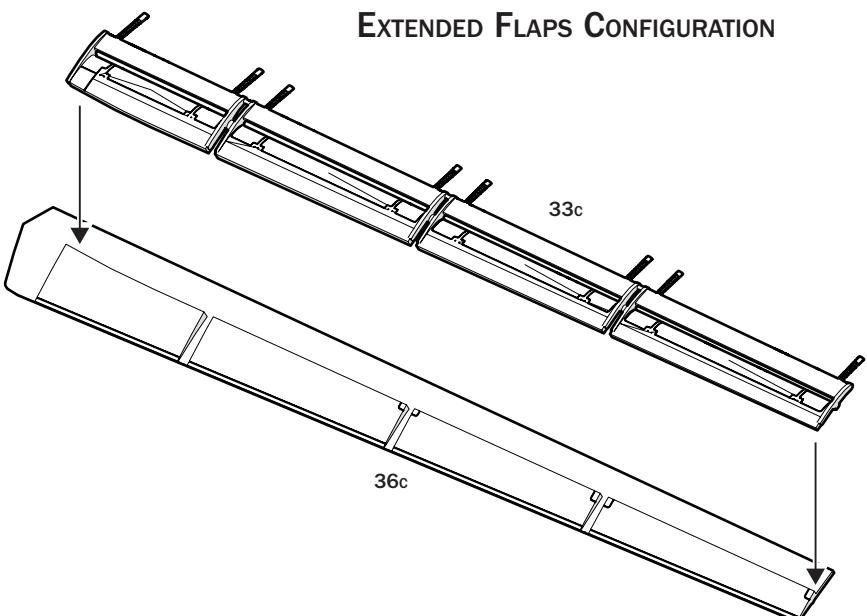
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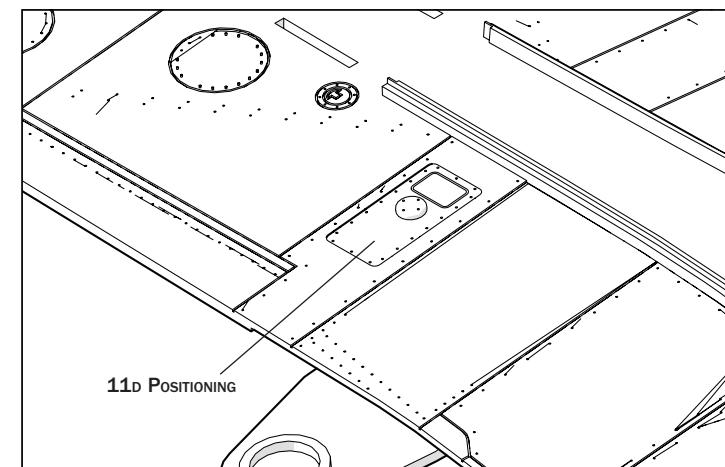
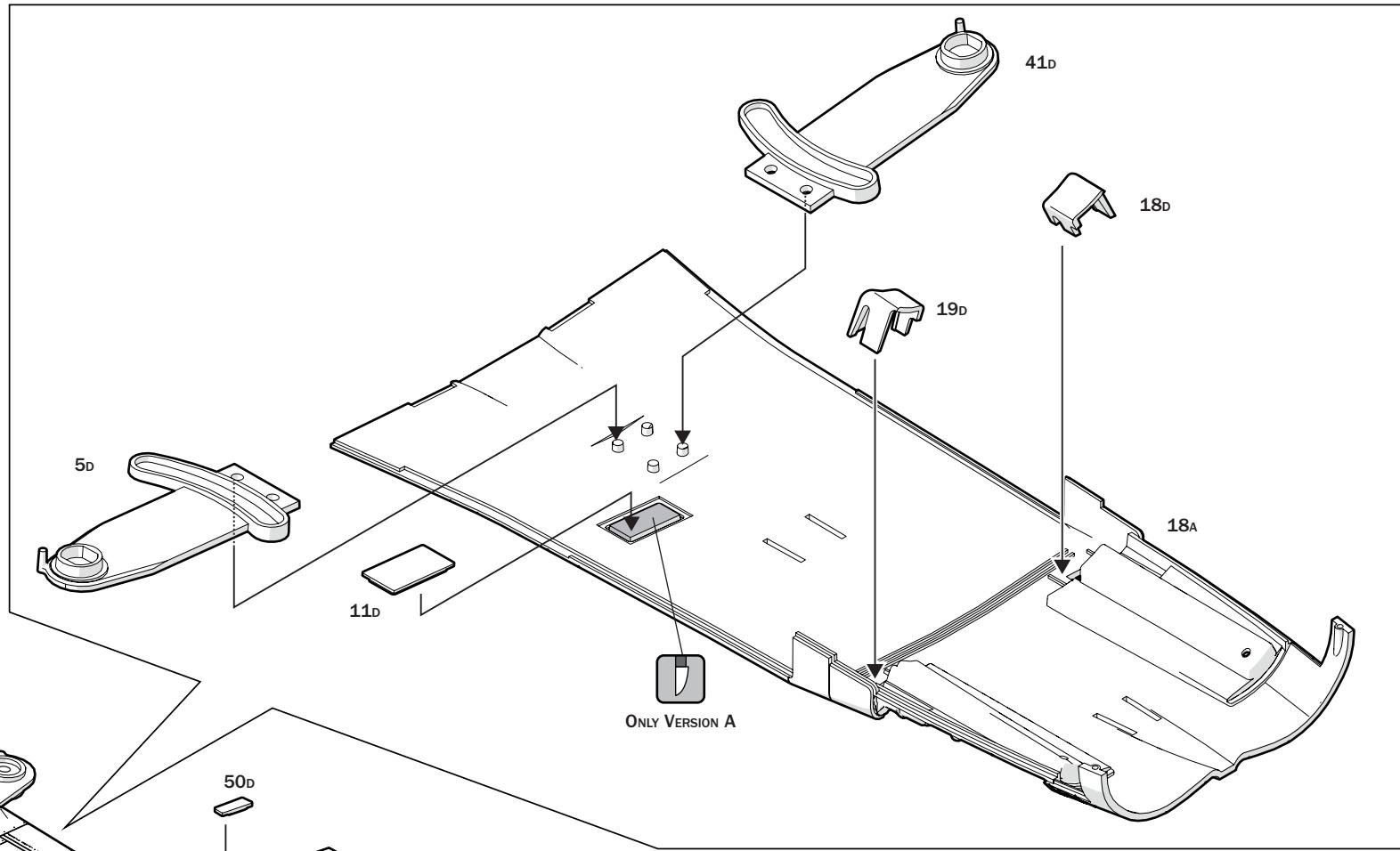
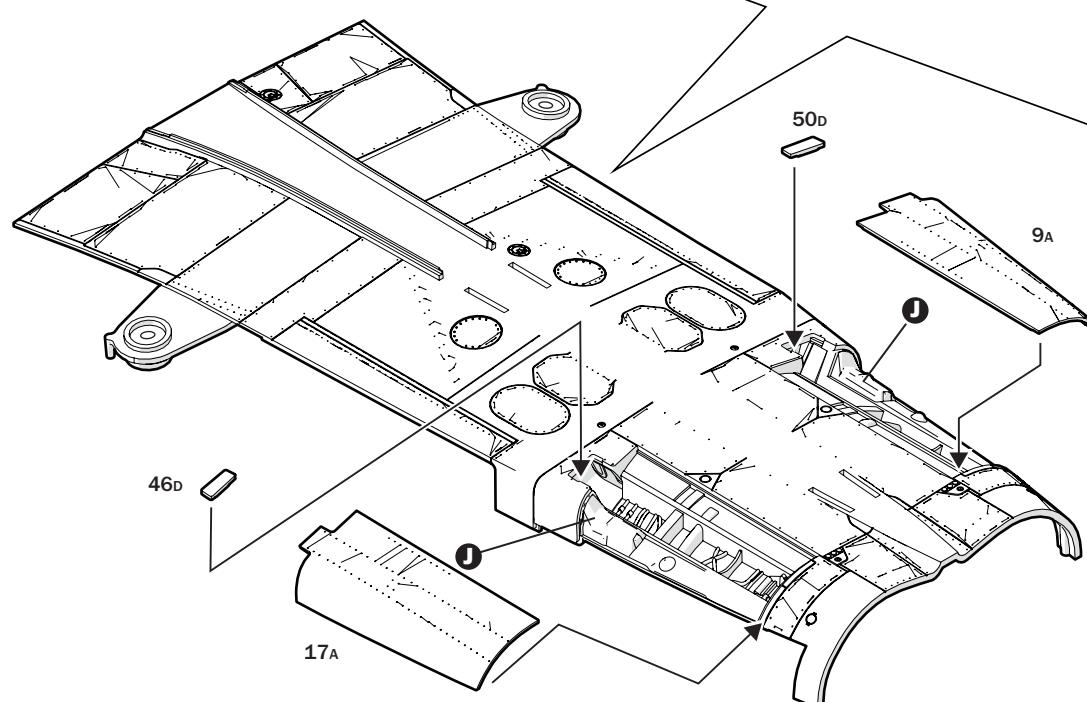


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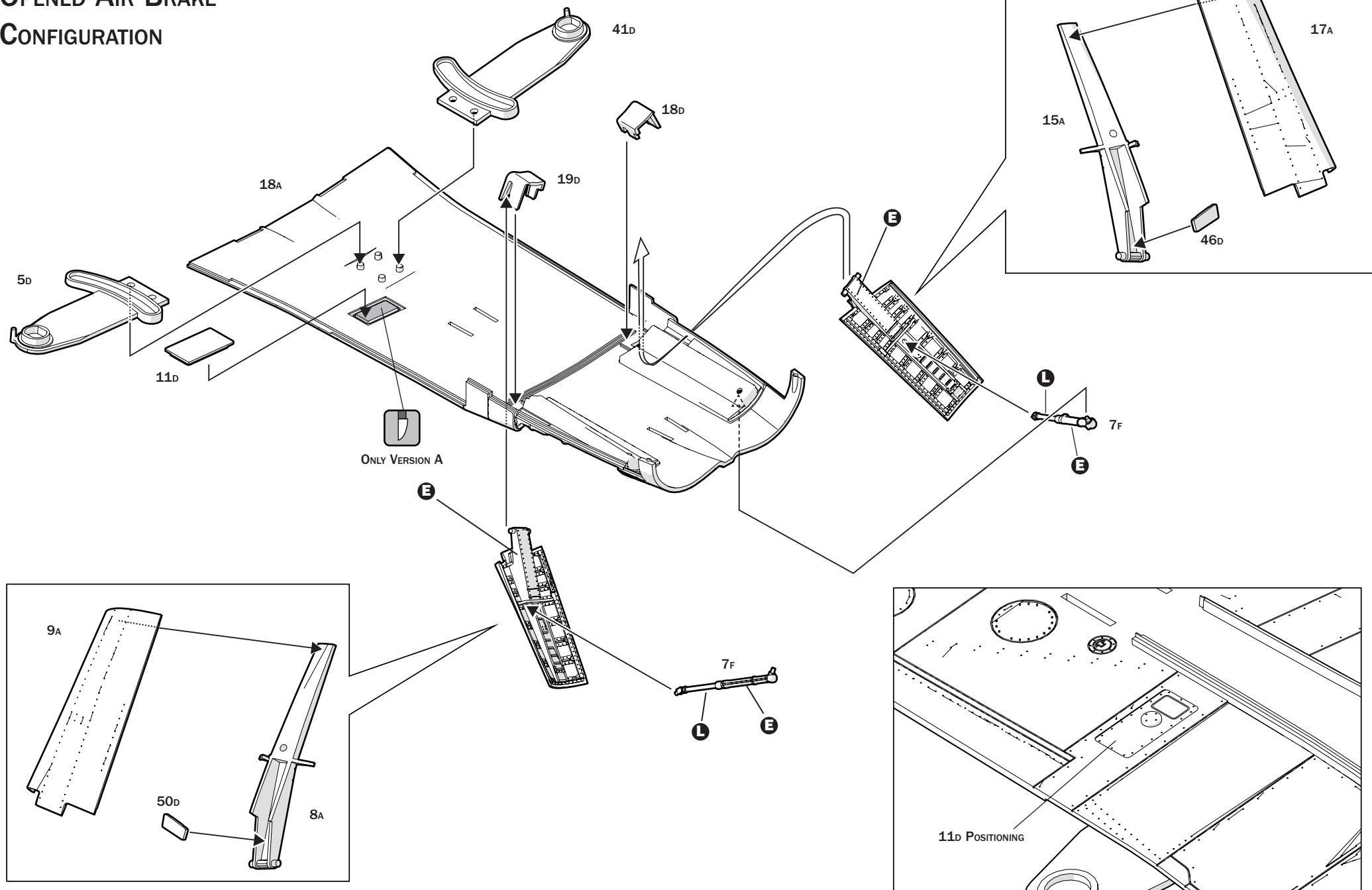
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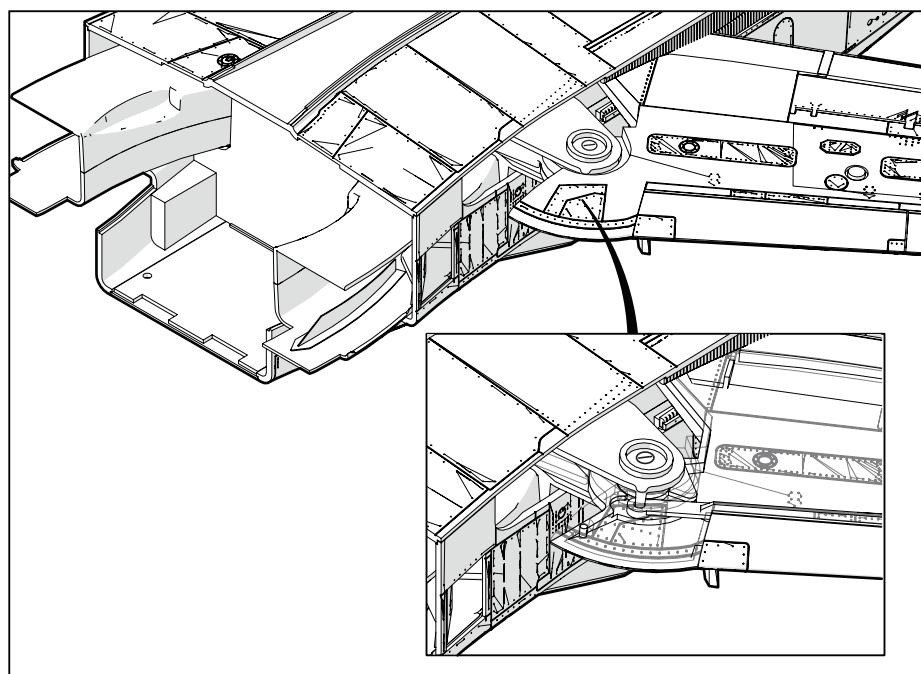
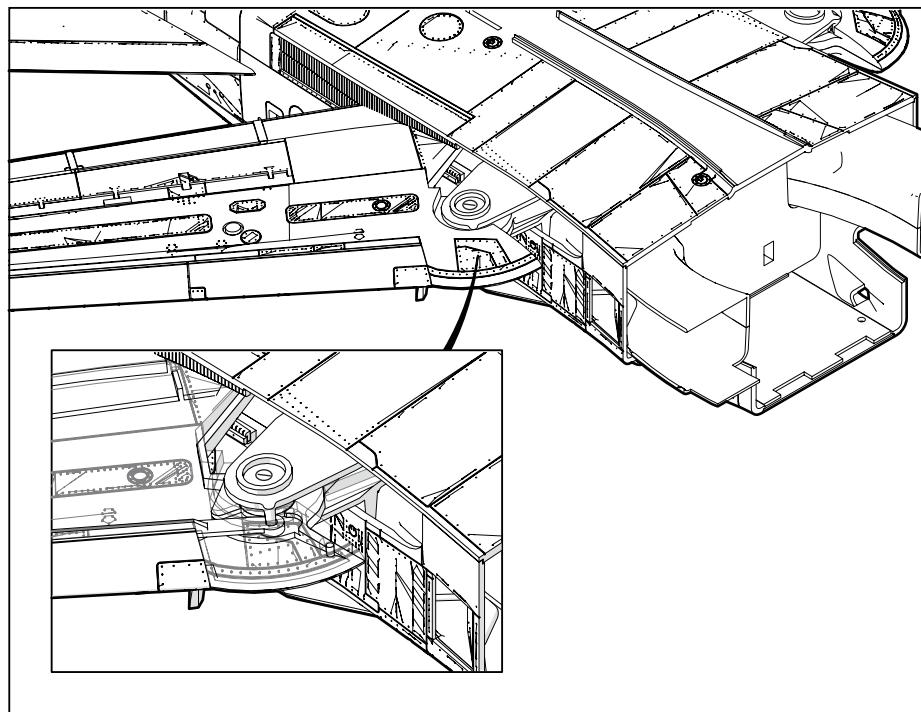
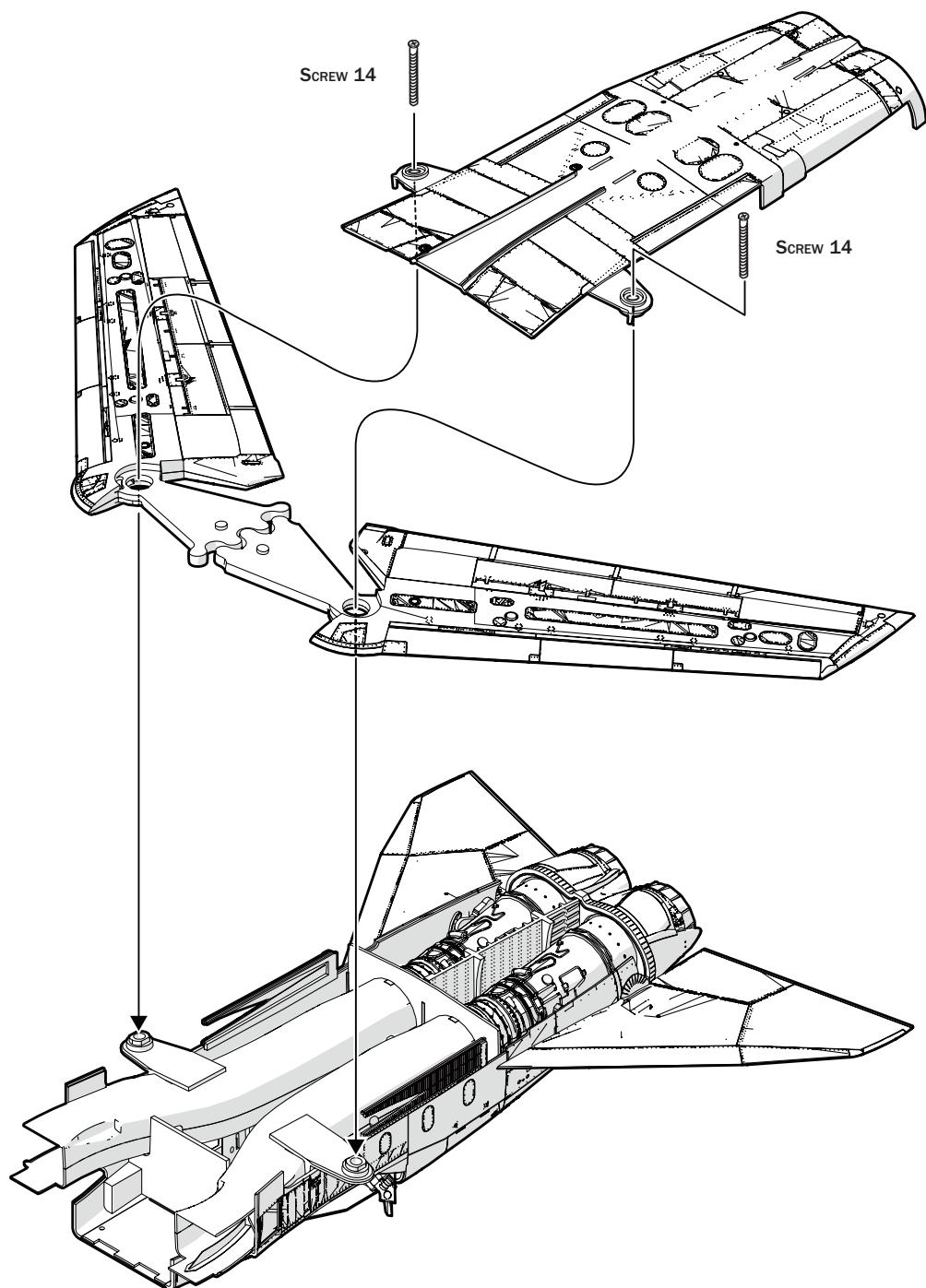


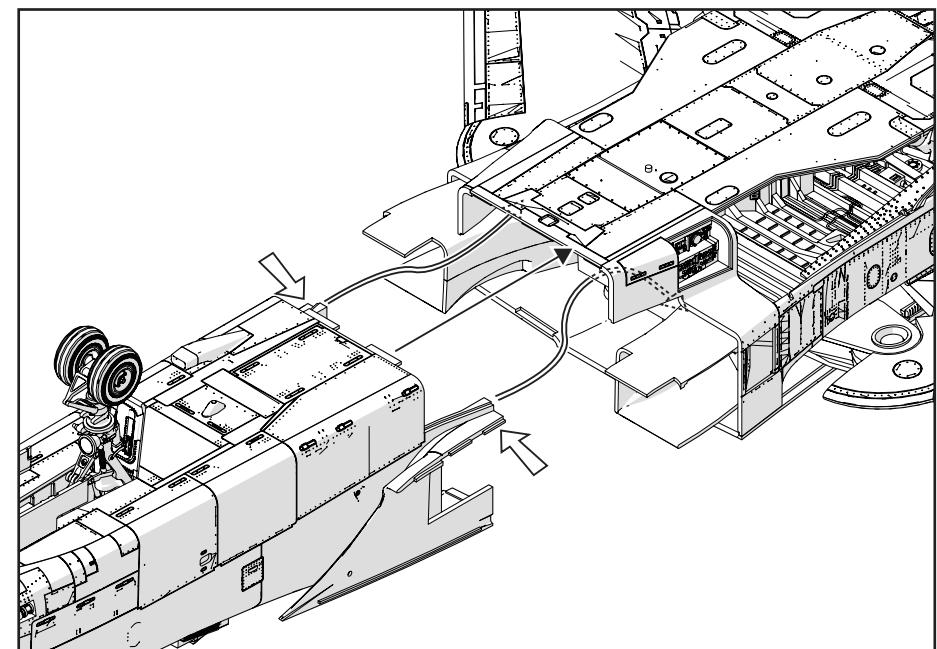
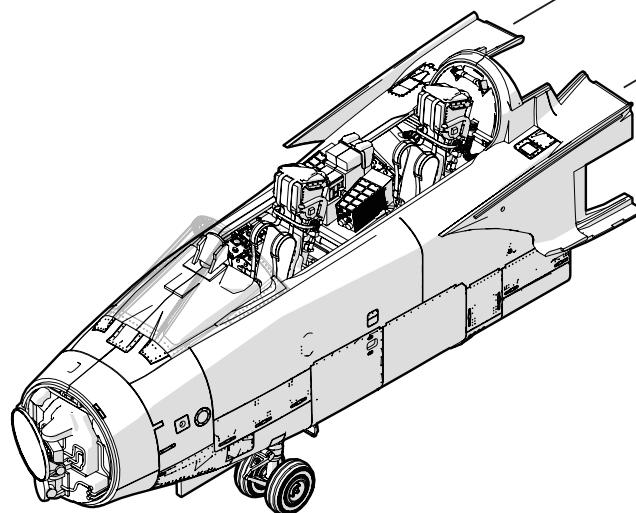
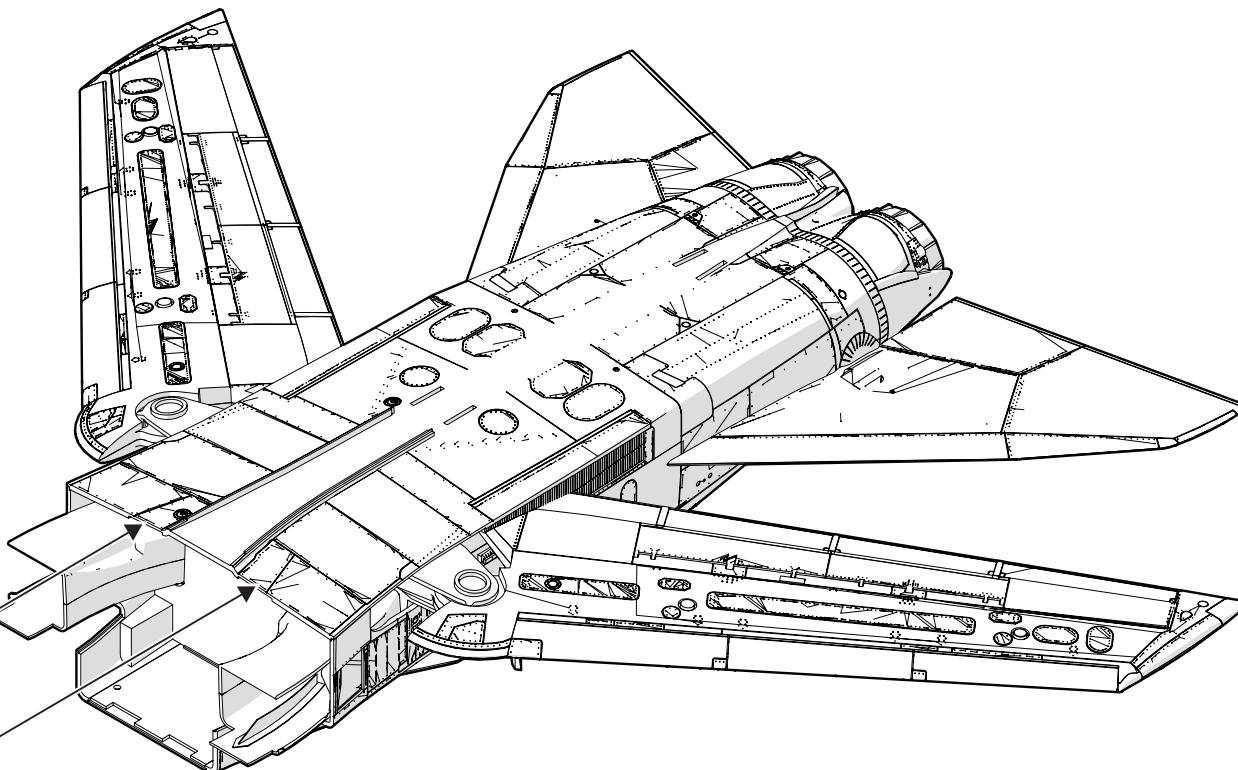
CLOSED AIR BRAKE CONFIGURATION



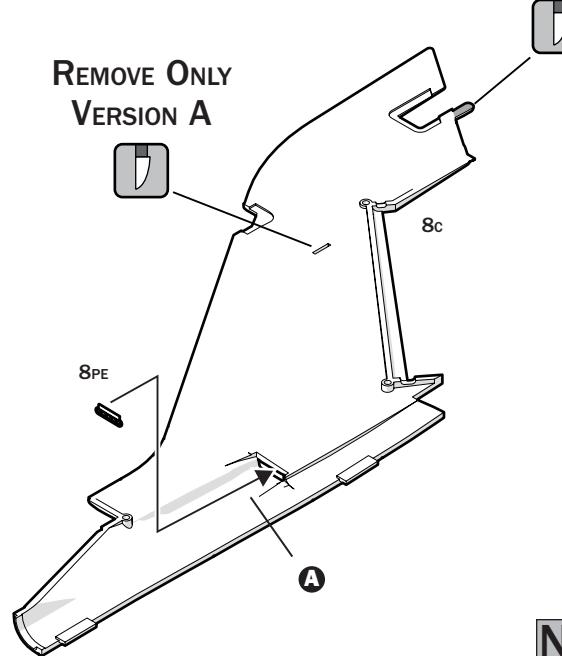
OPENED AIR BRAKE CONFIGURATION





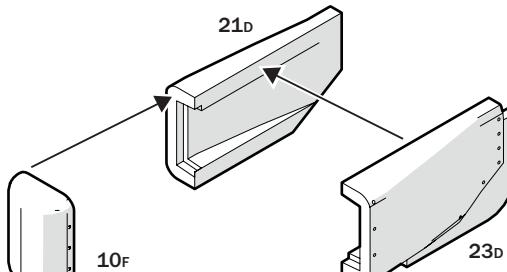


REMOVE ONLY VERSION C

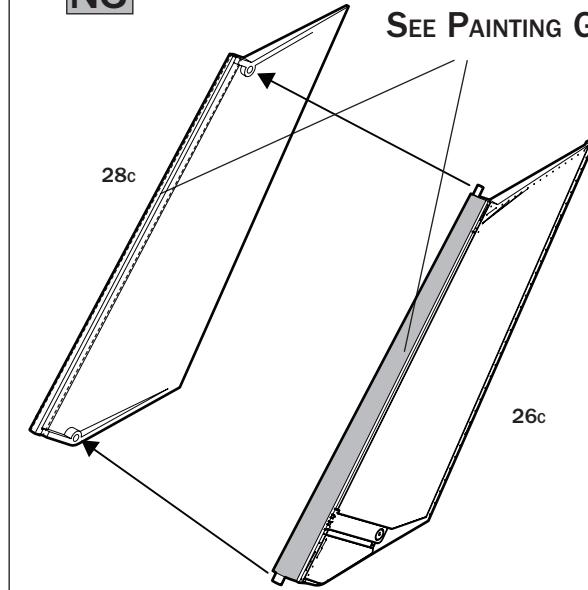
REMOVE ONLY
VERSION A

N1

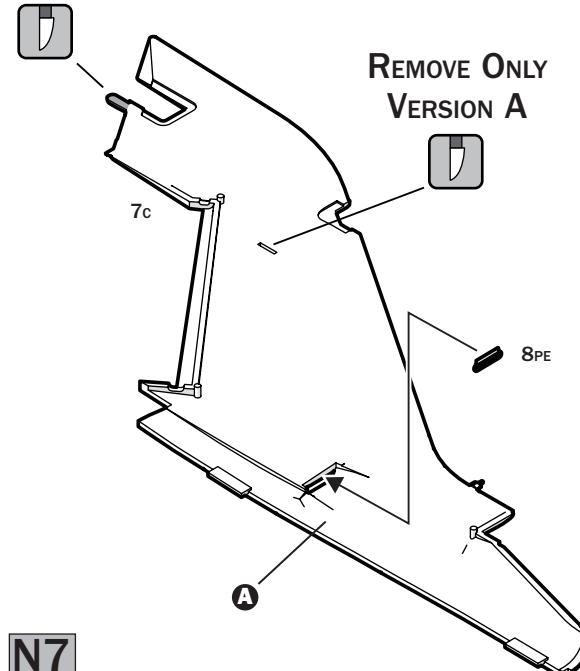
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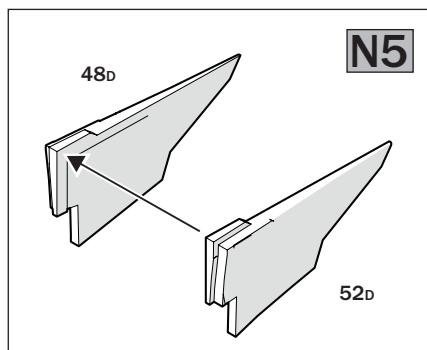
N3

FOR RUDDER COLORING
SEE PAINTING GUIDE

REMOVE ONLY VERSION C

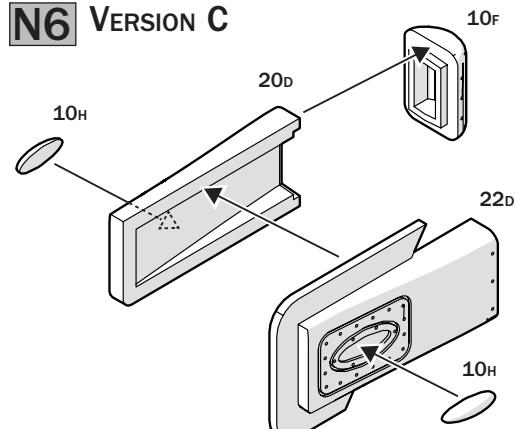
REMOVE ONLY
VERSION A

N7

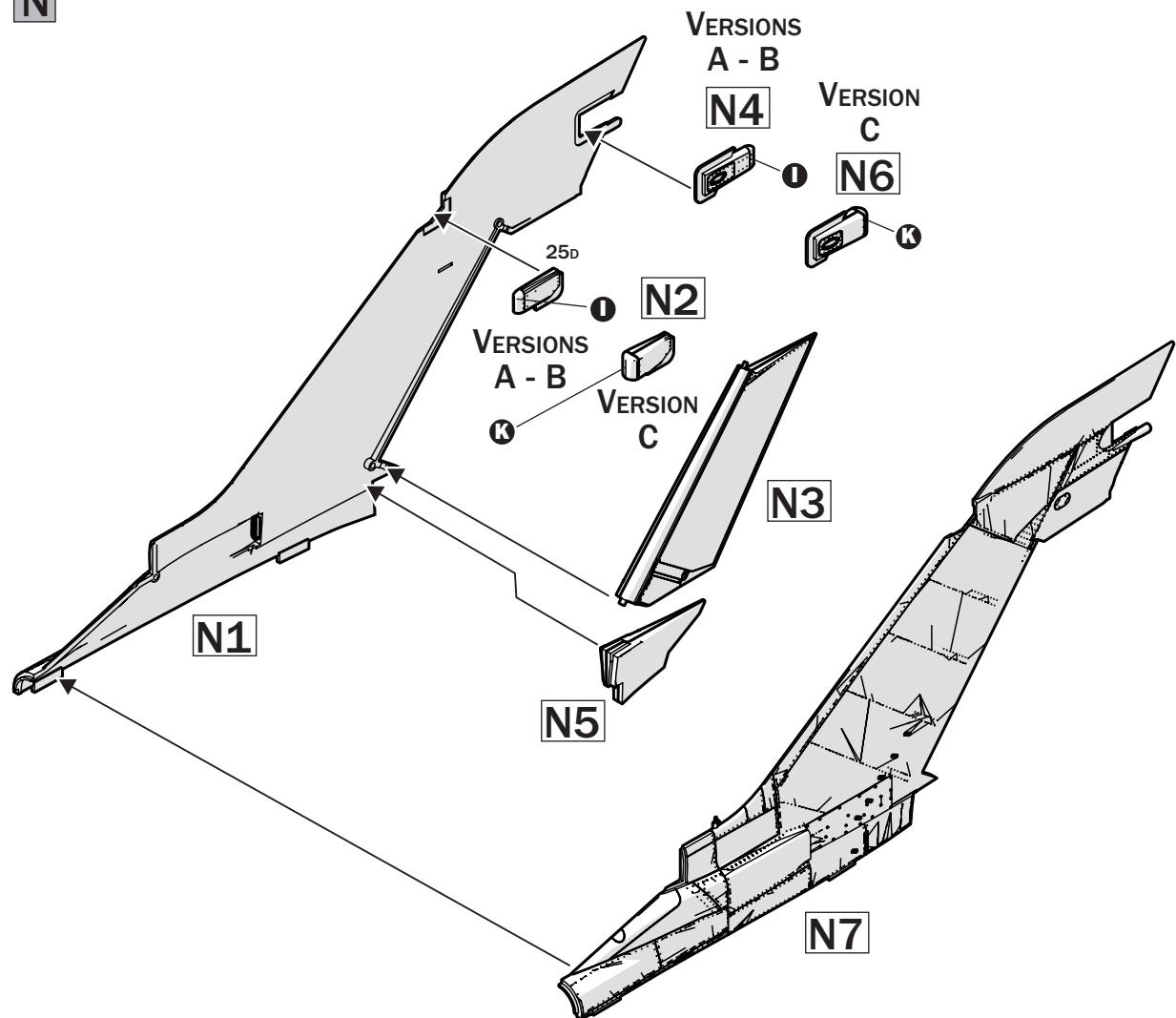


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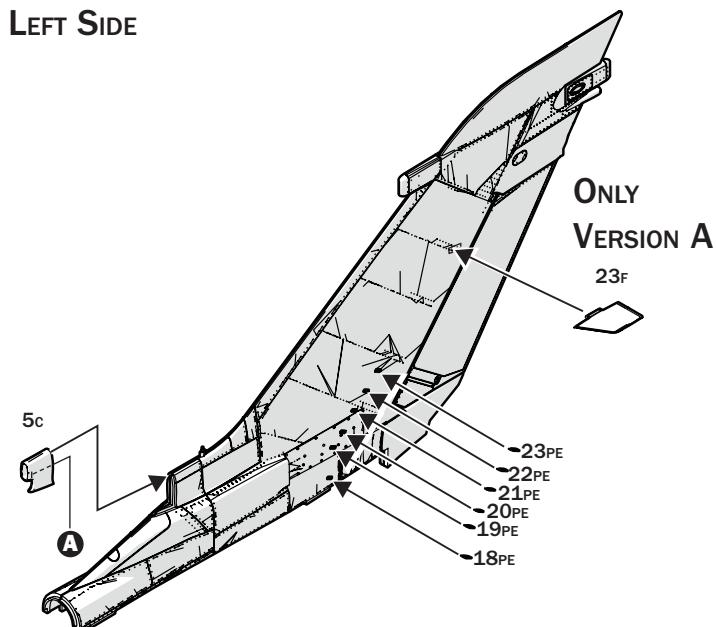
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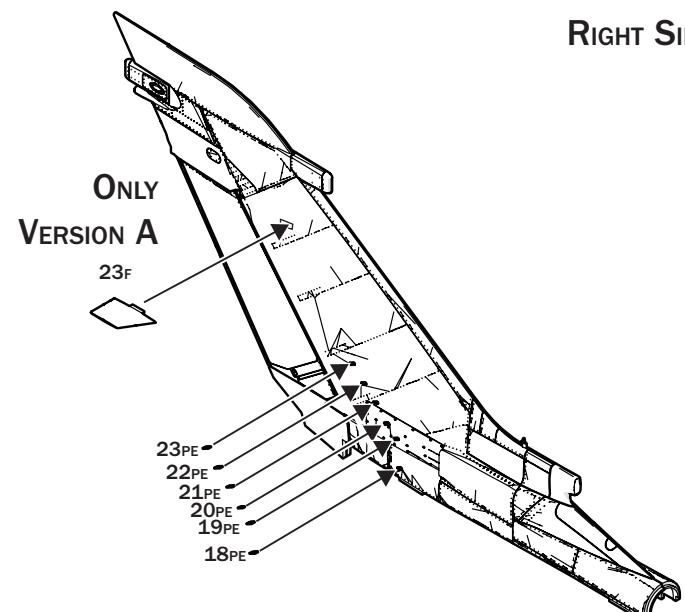
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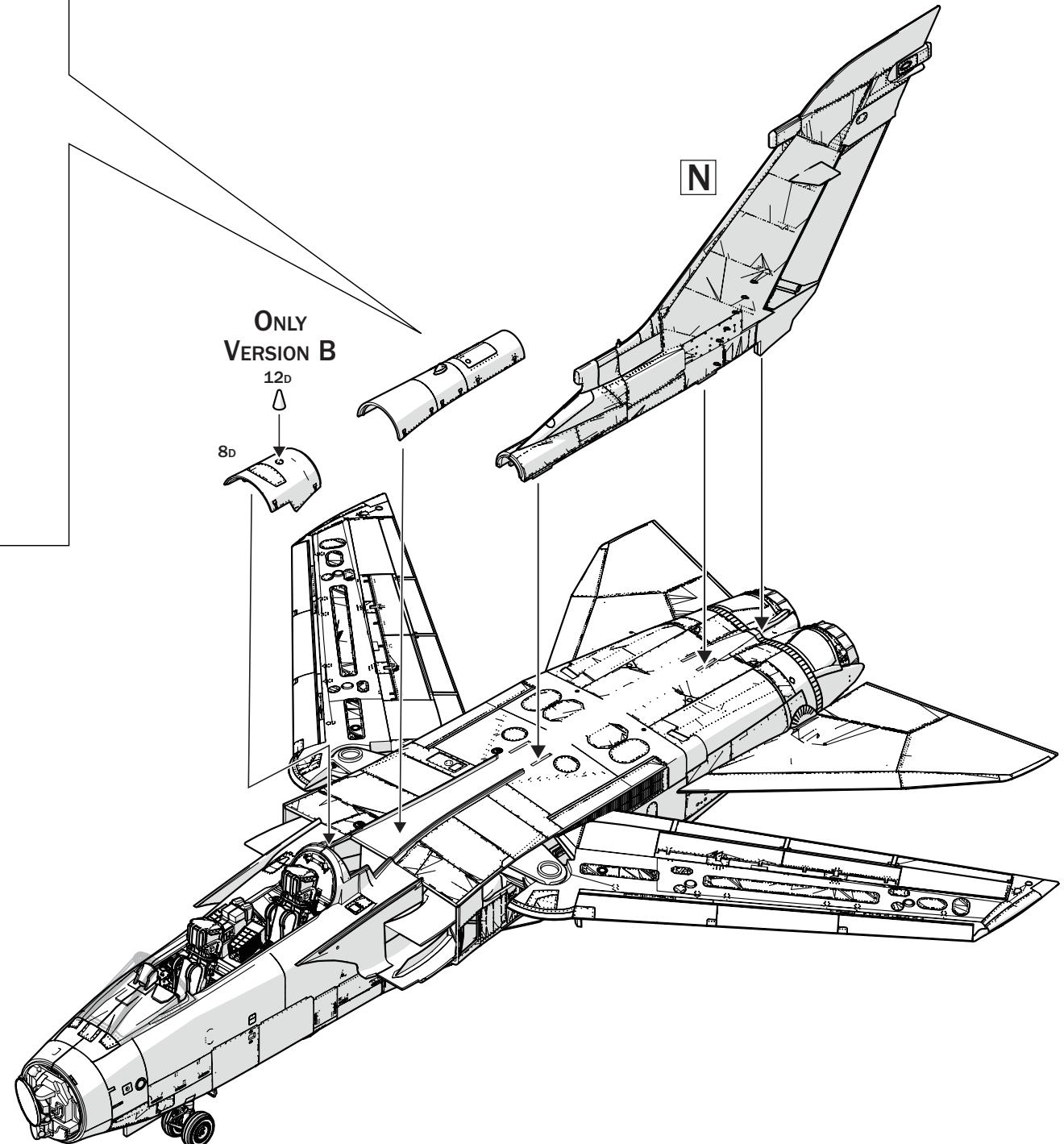
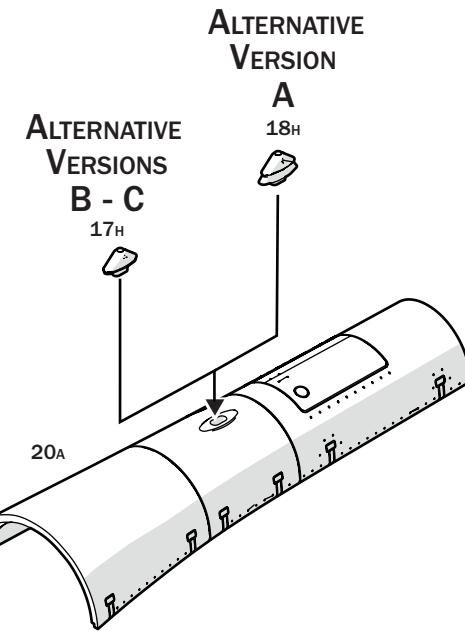


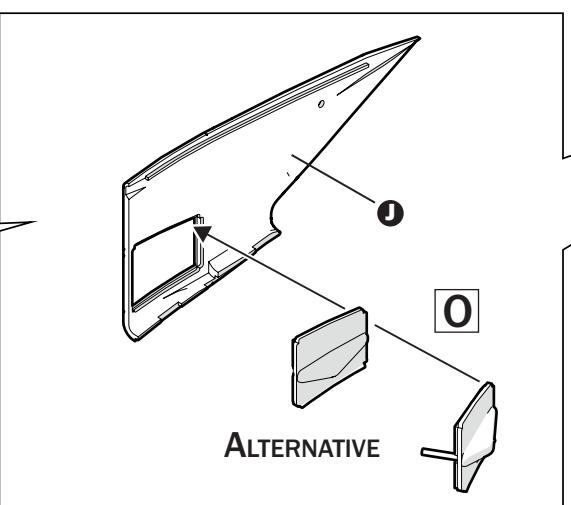
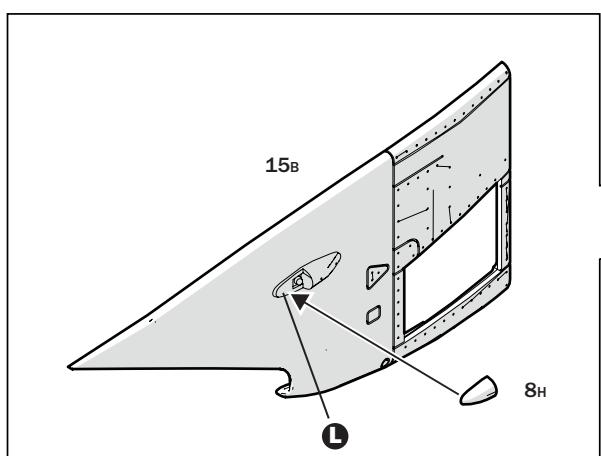
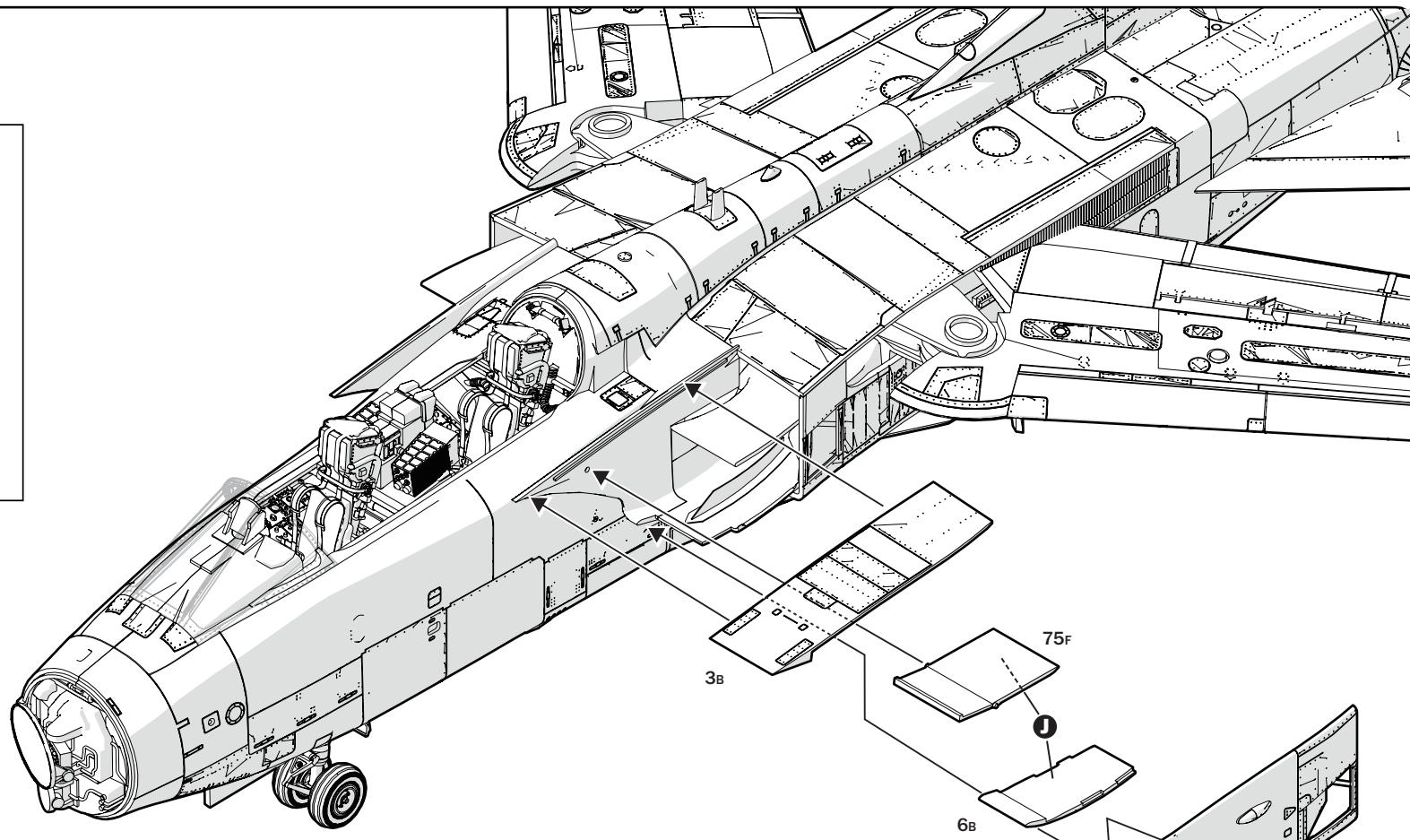
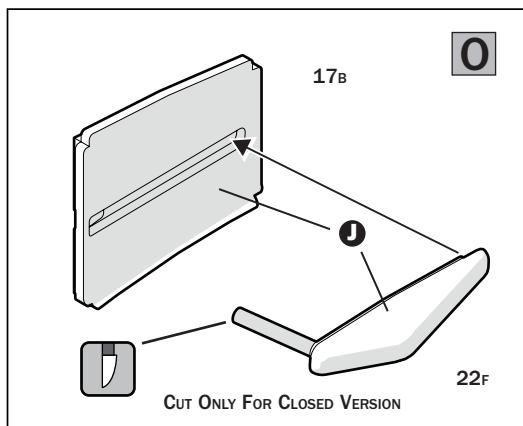
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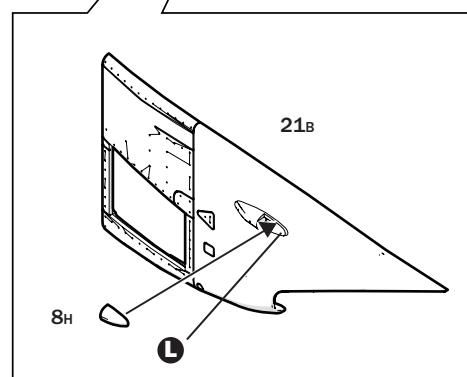
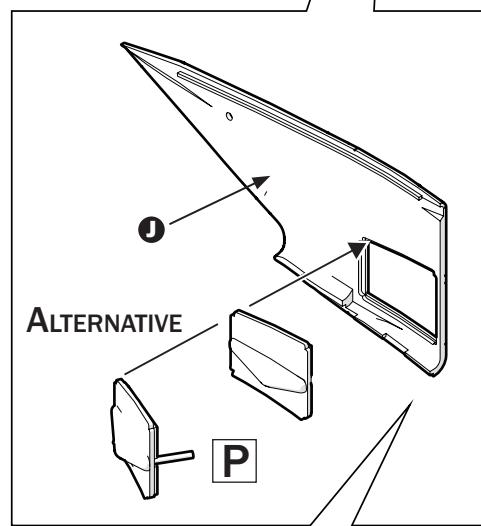
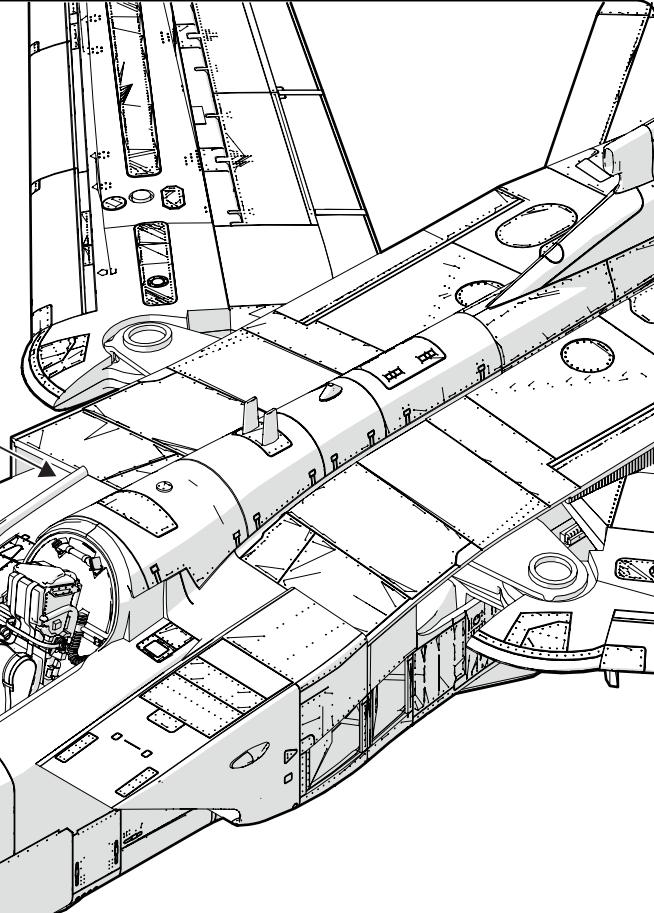
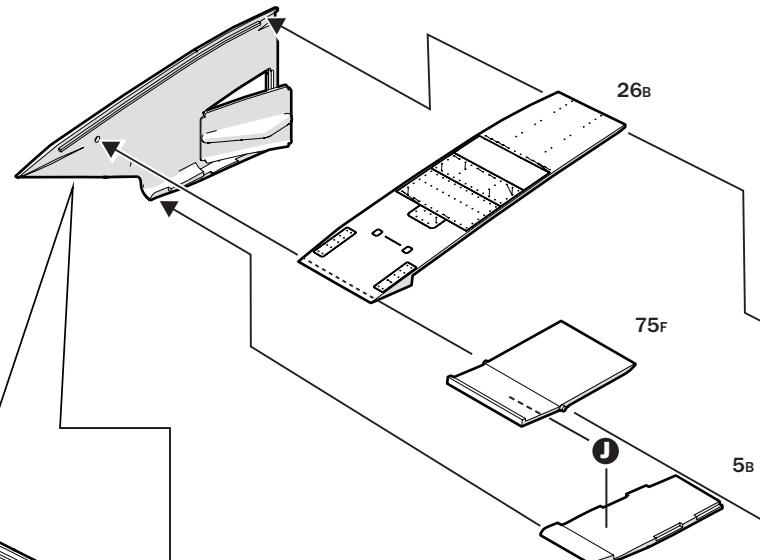
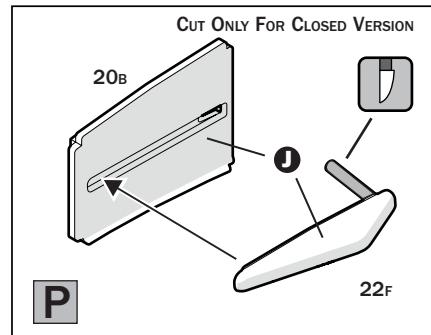


RIGHT SIDE

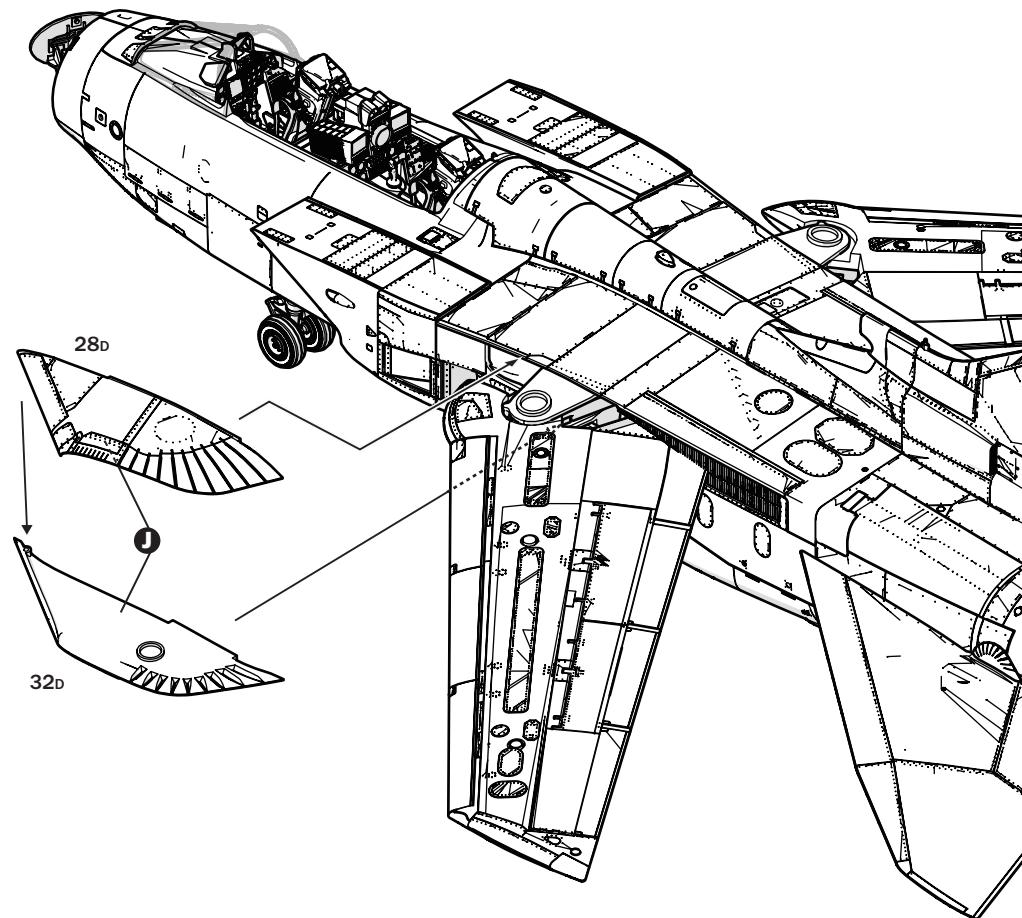




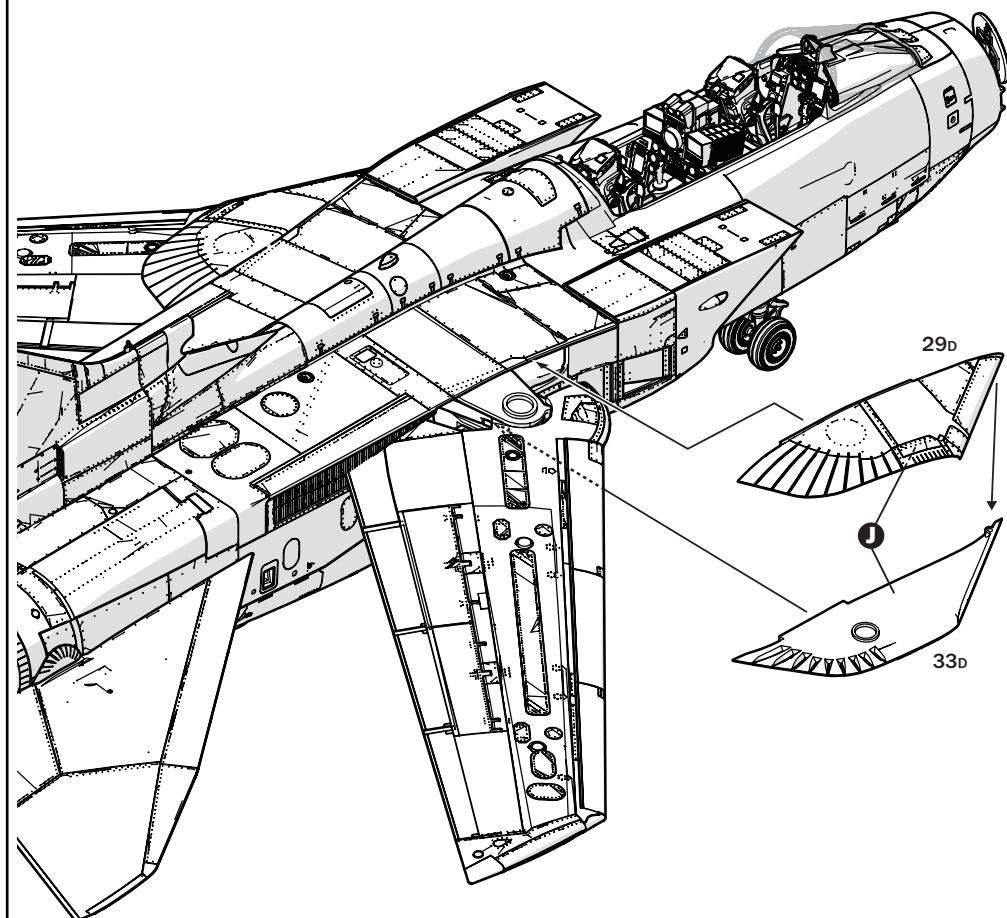


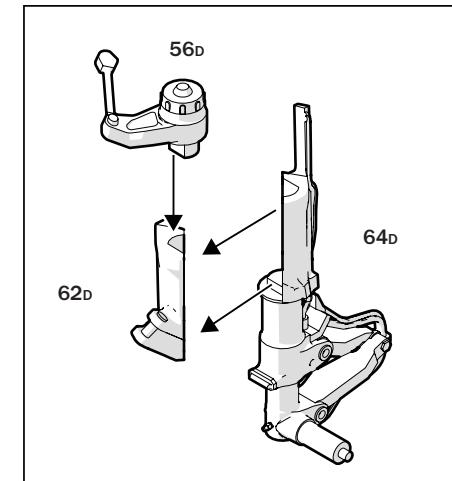
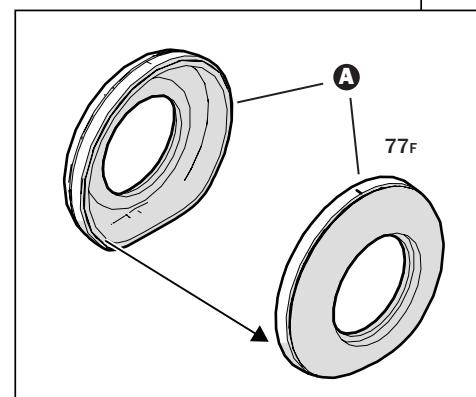
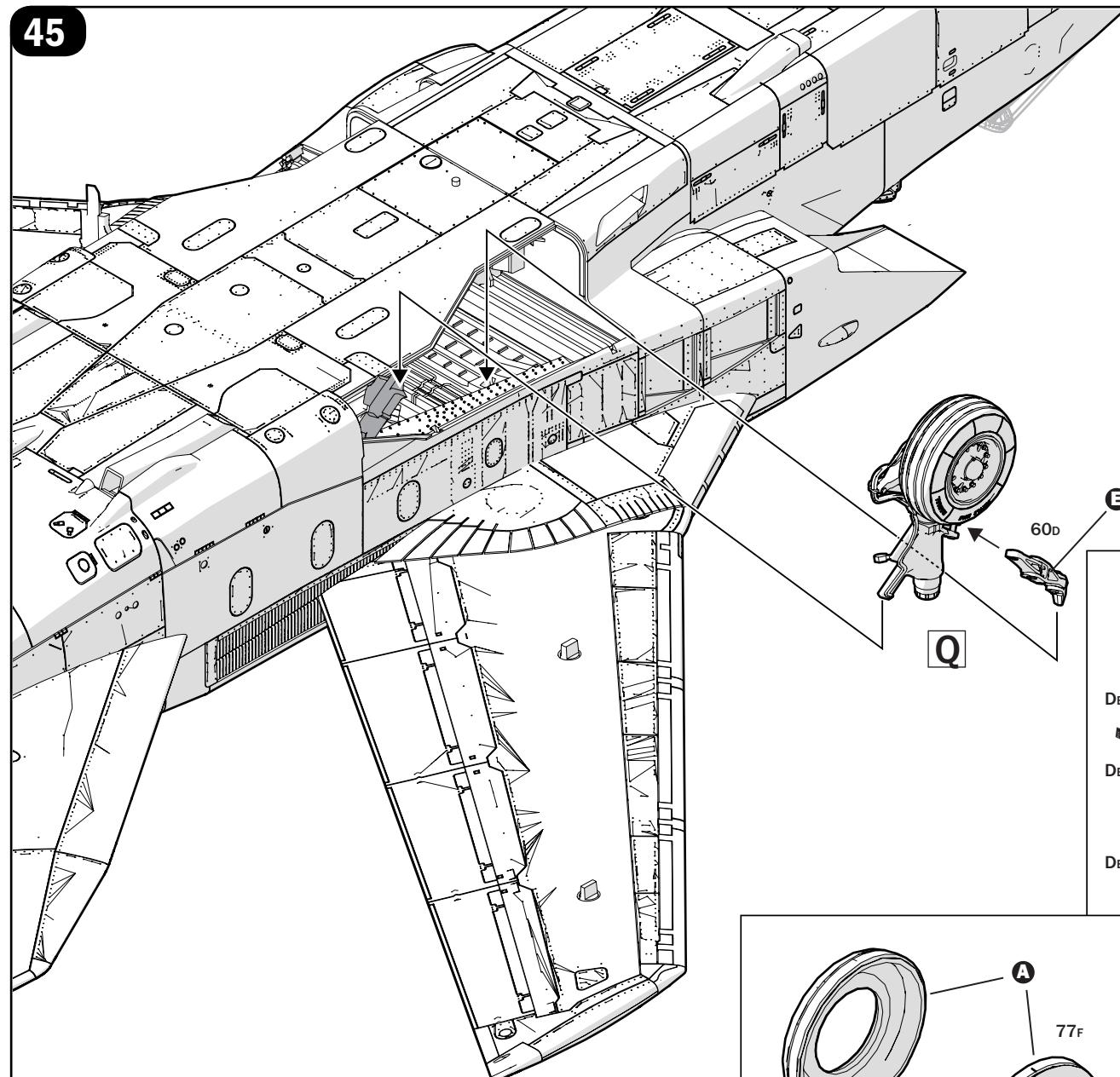


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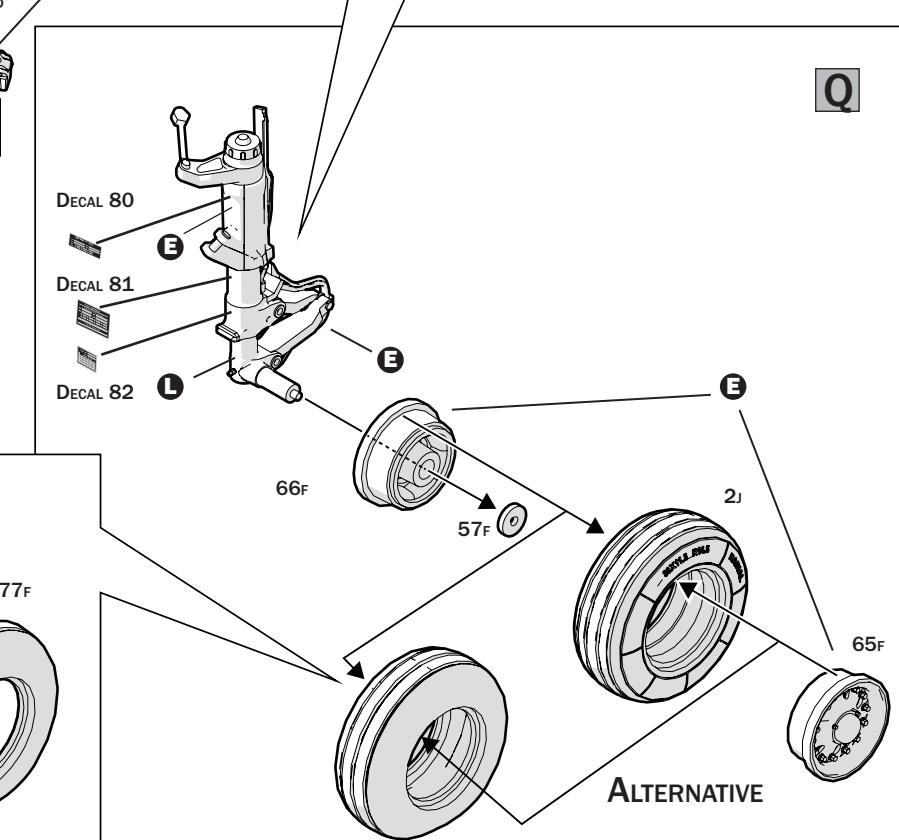


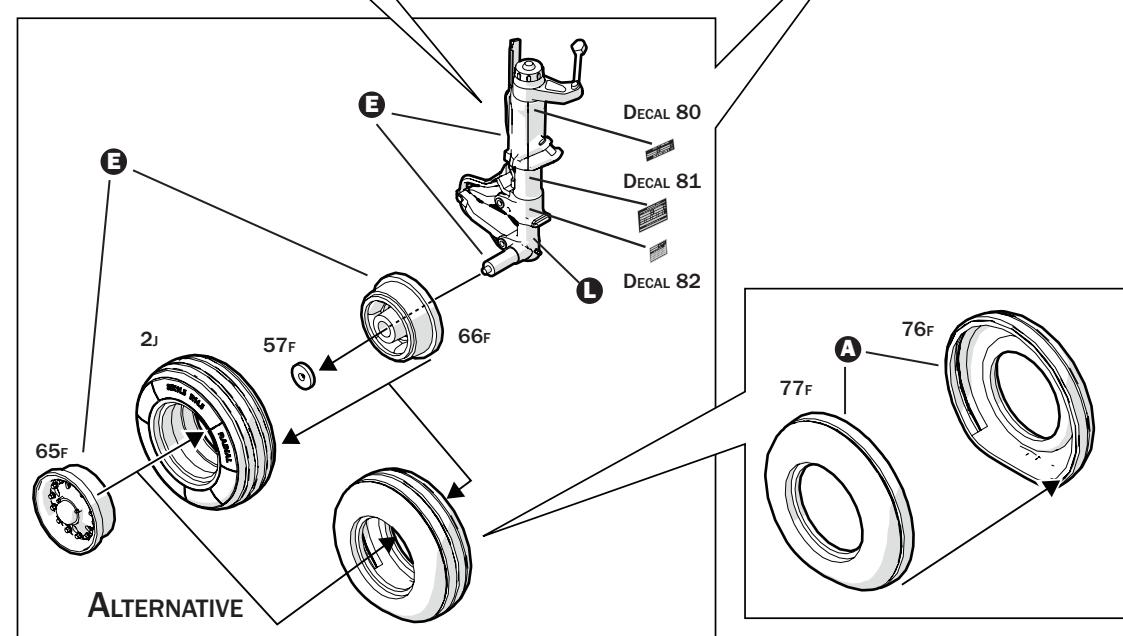
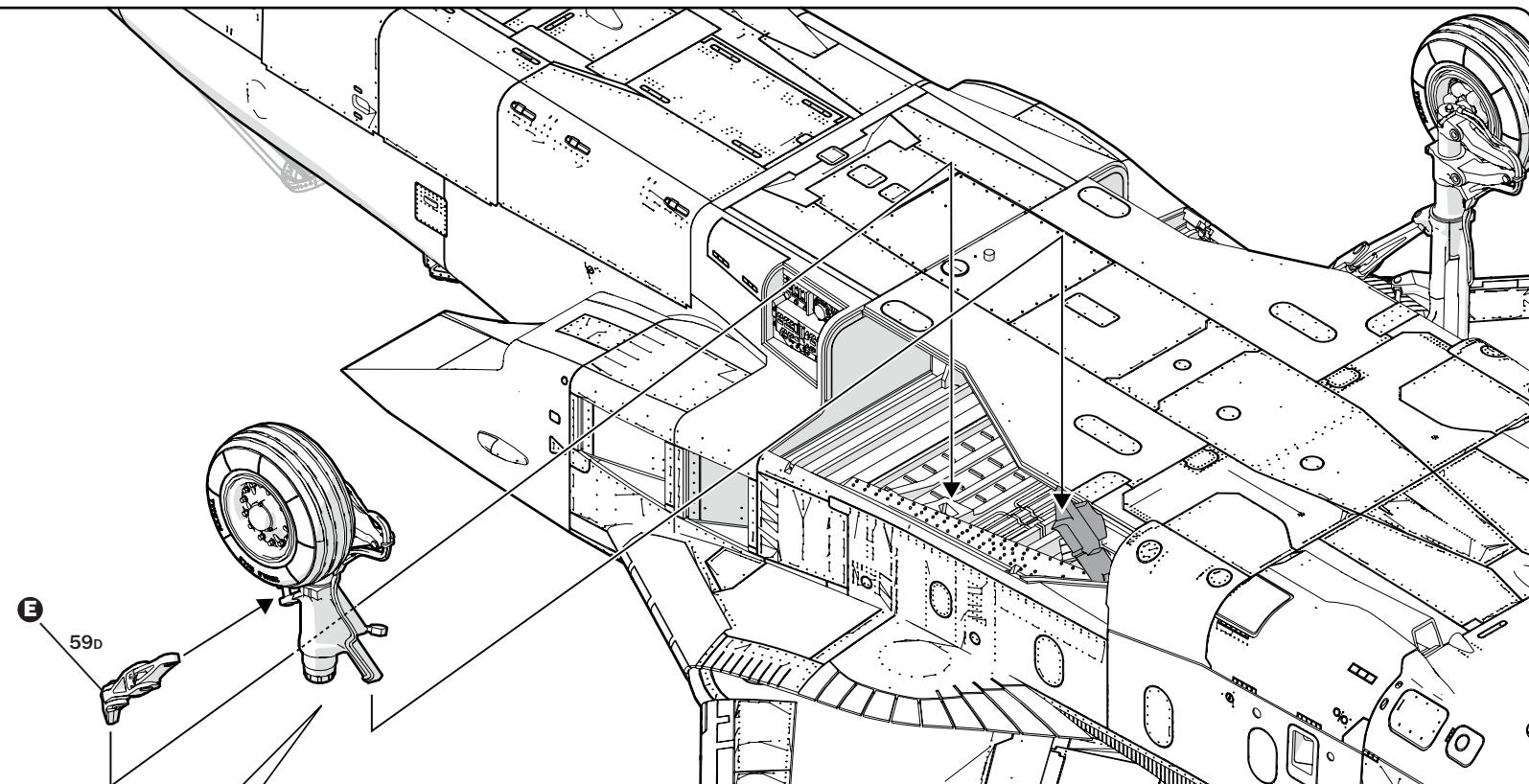
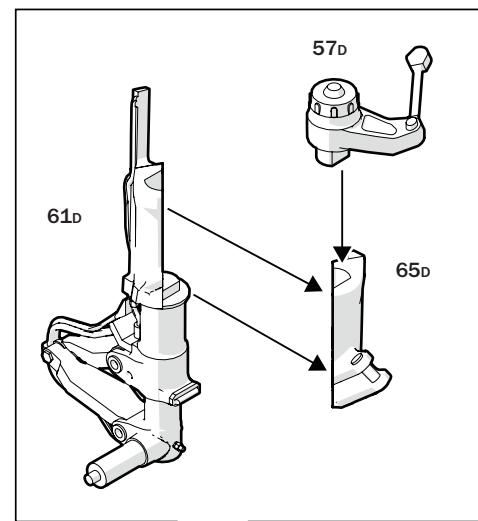
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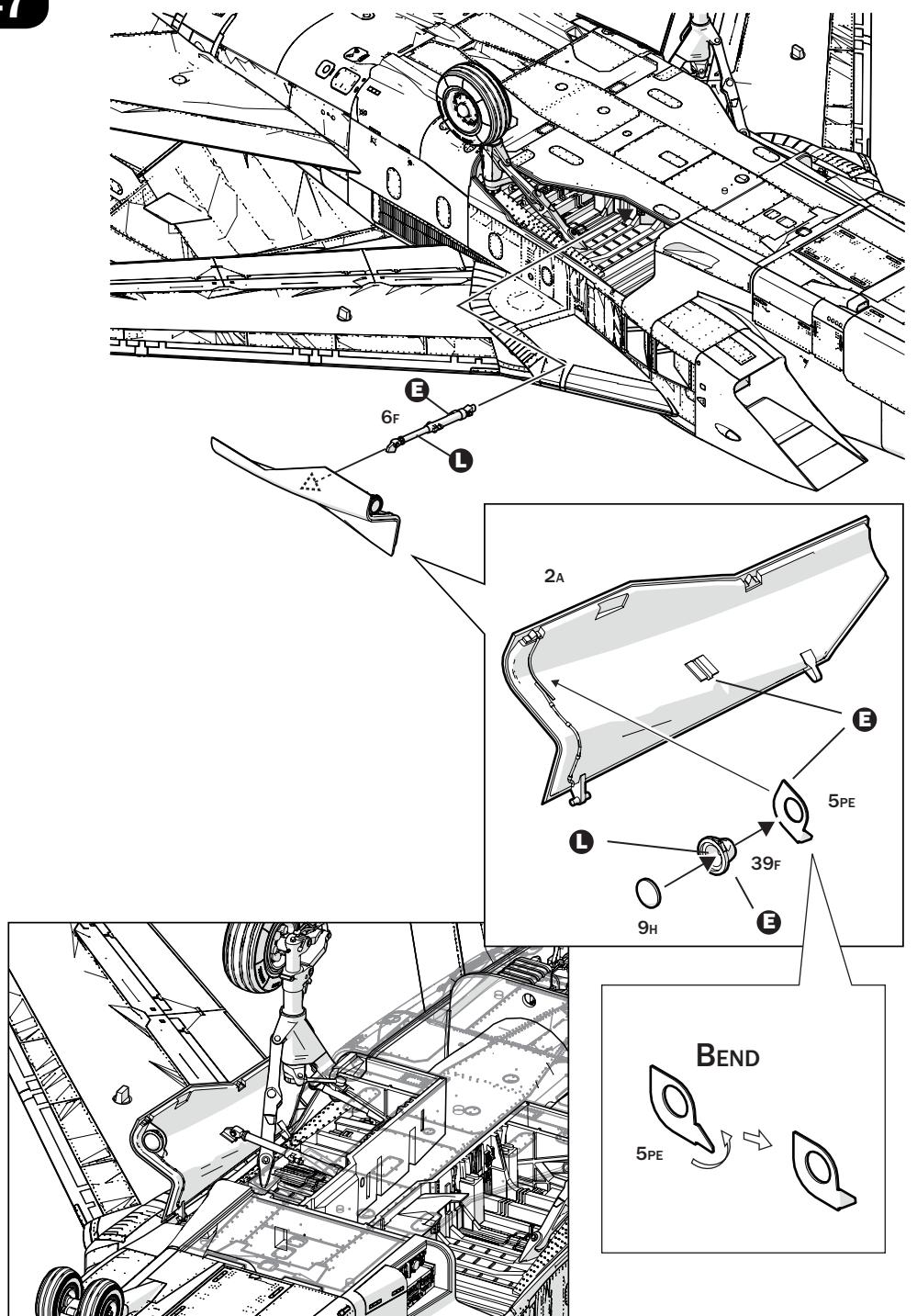


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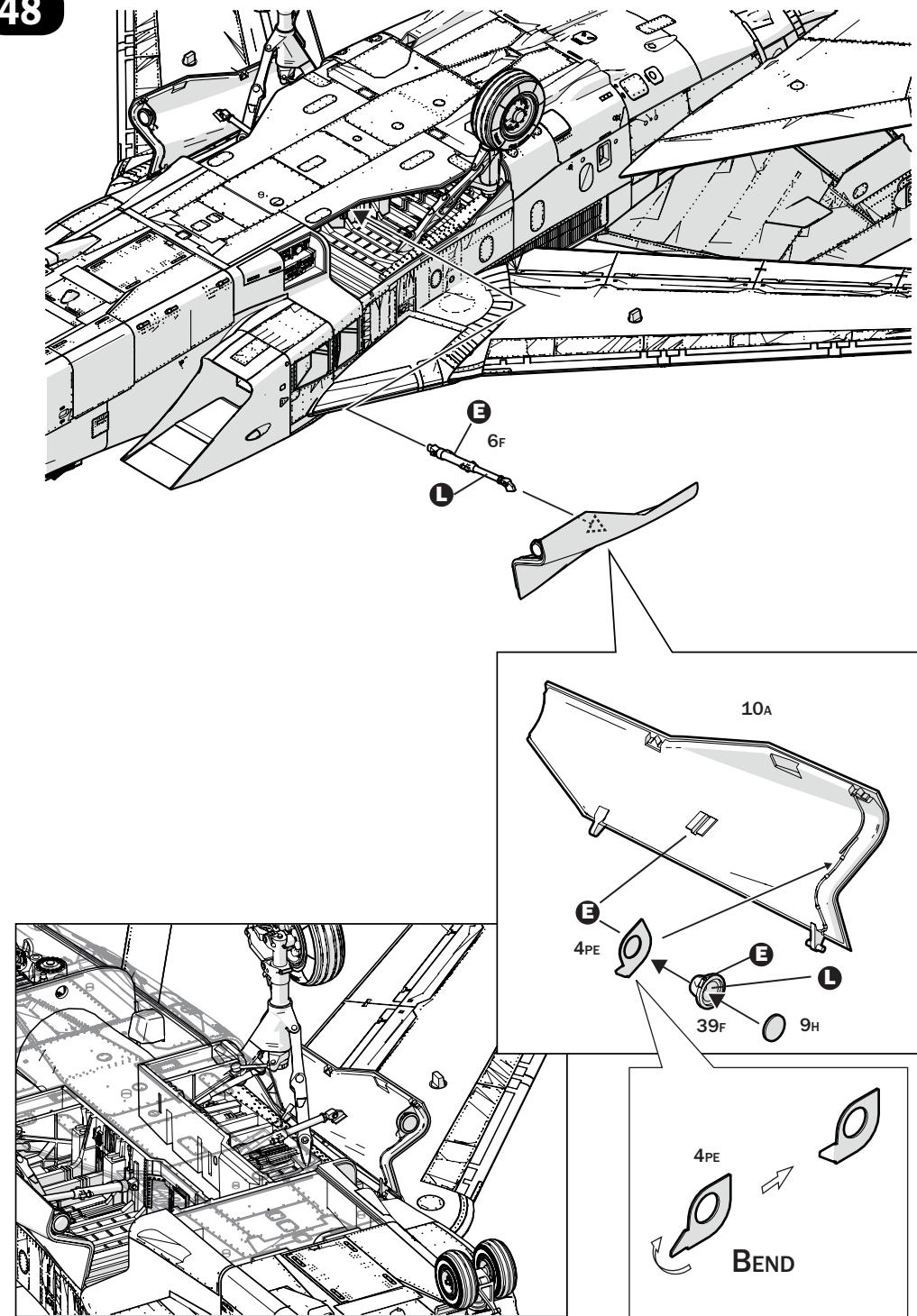




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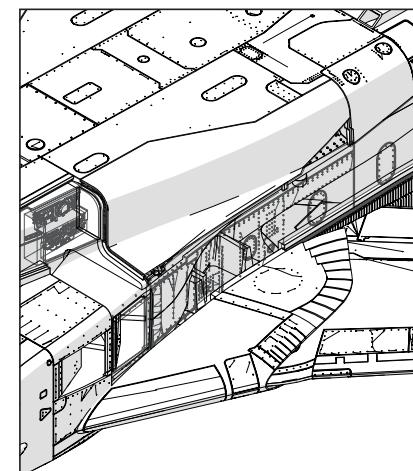
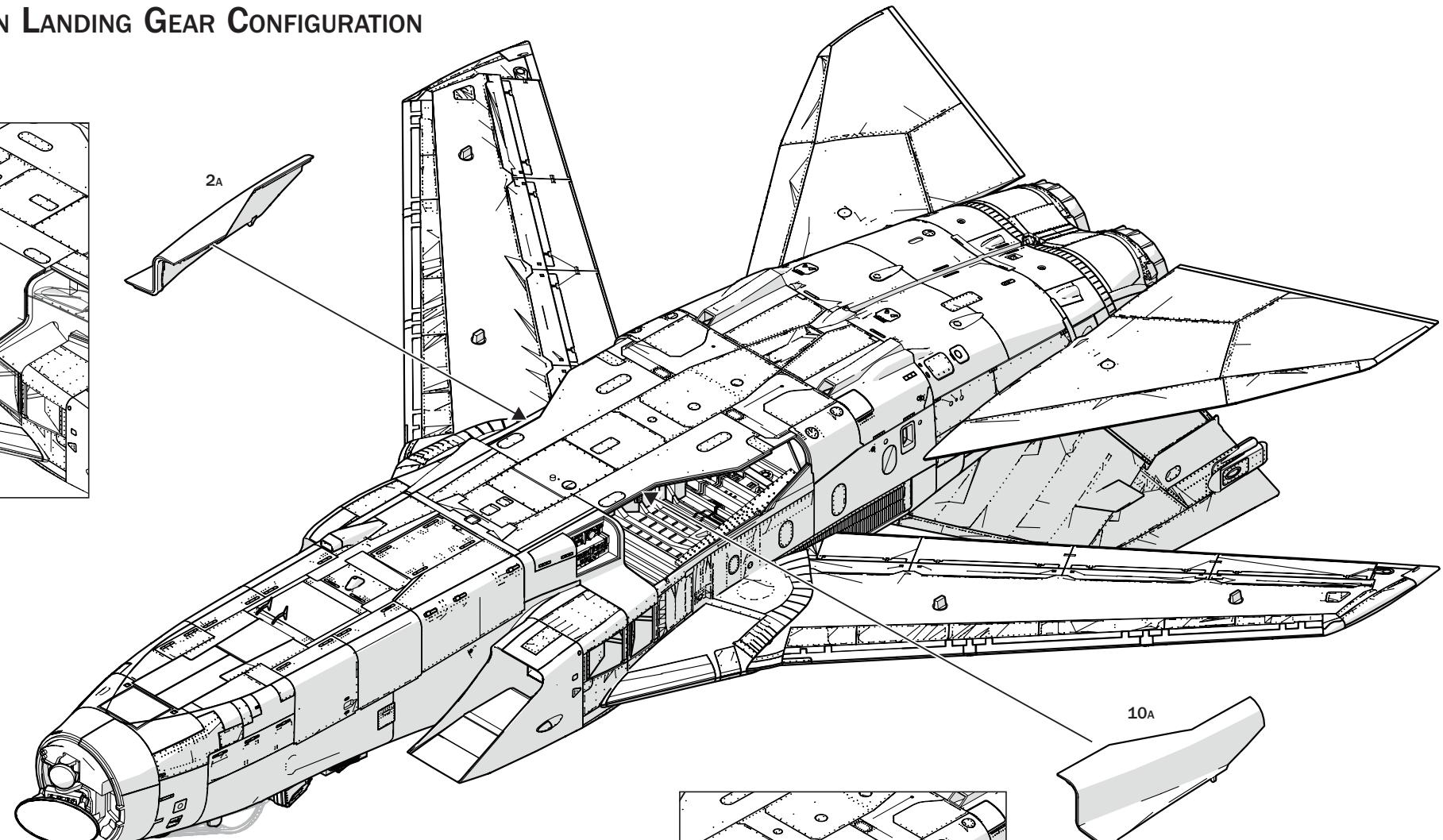
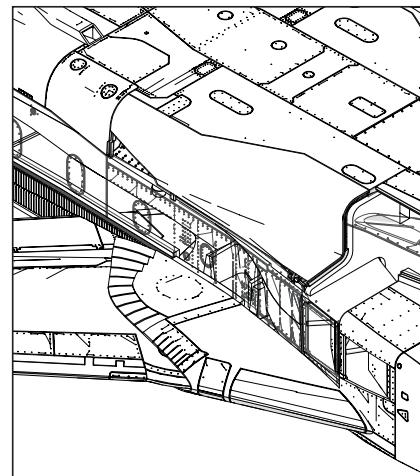


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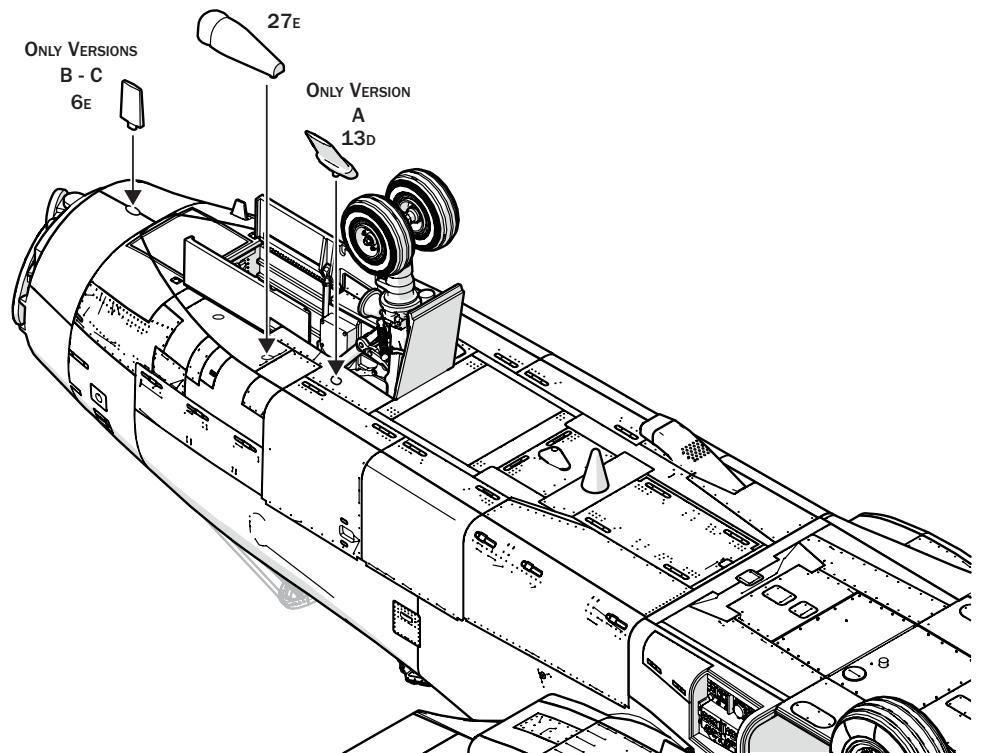
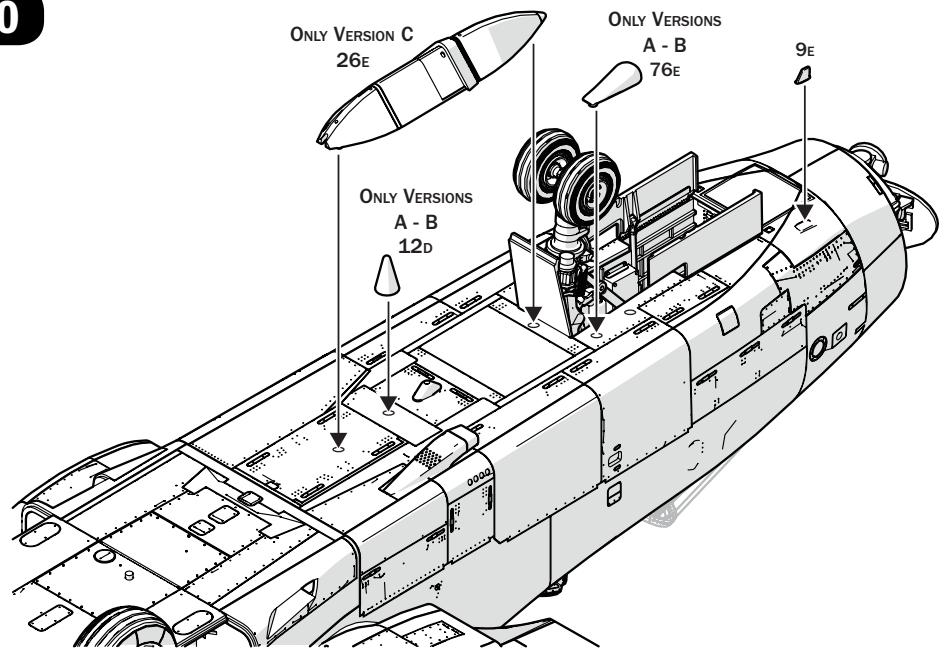


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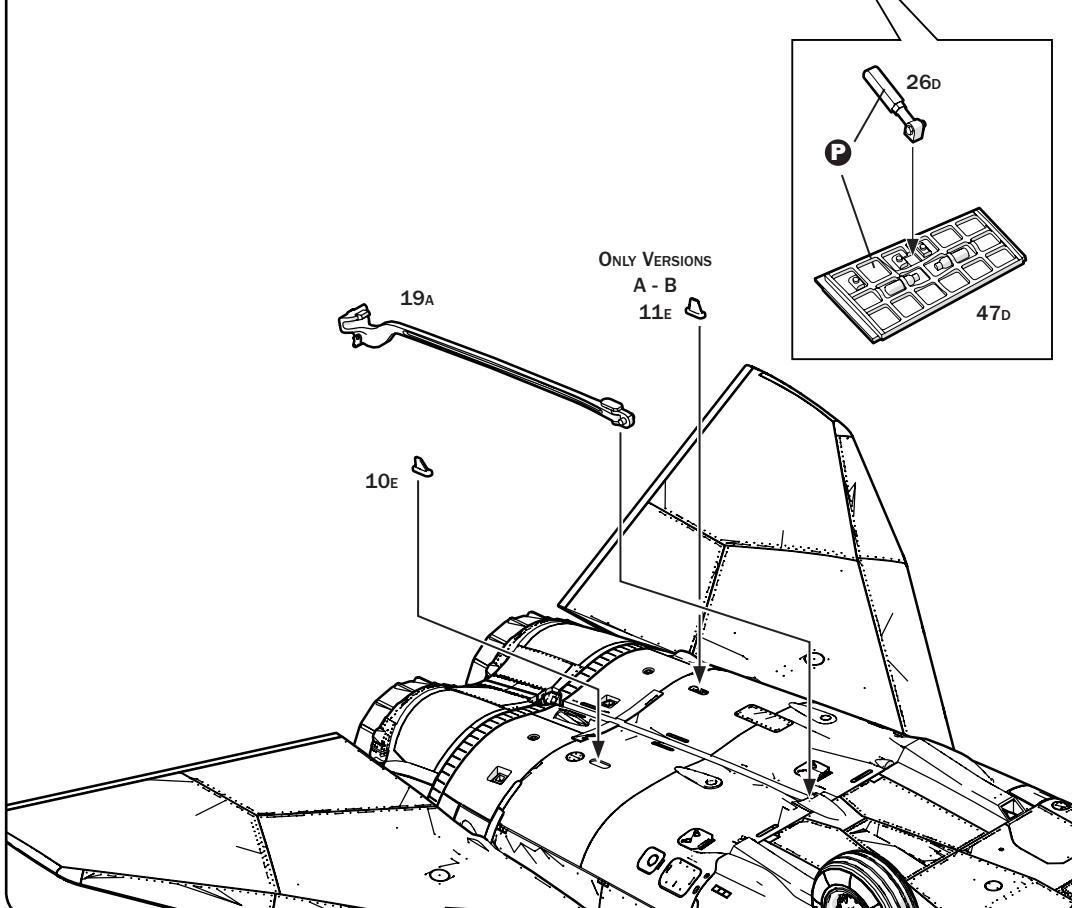
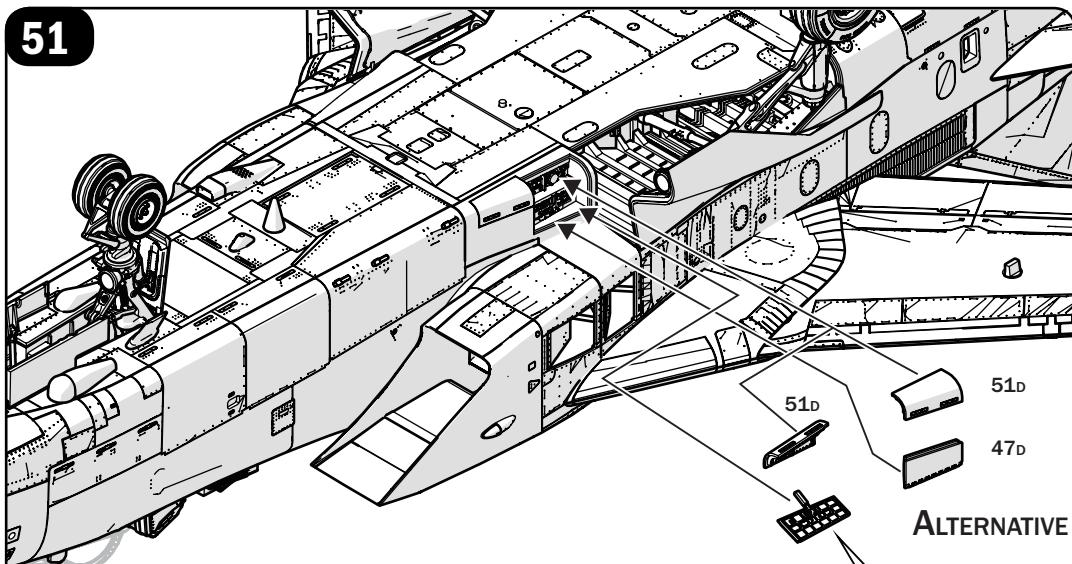
CLOSED MAIN LANDING GEAR CONFIGURATION

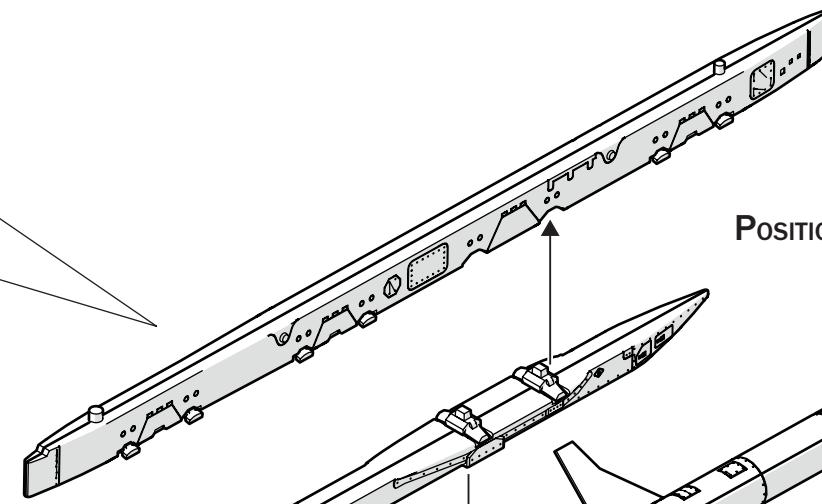
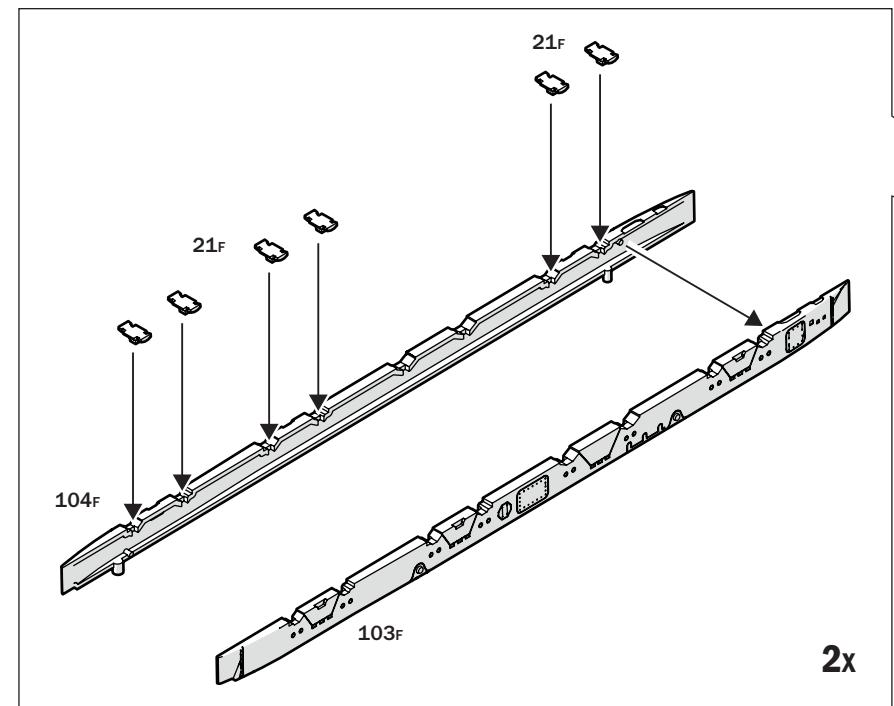


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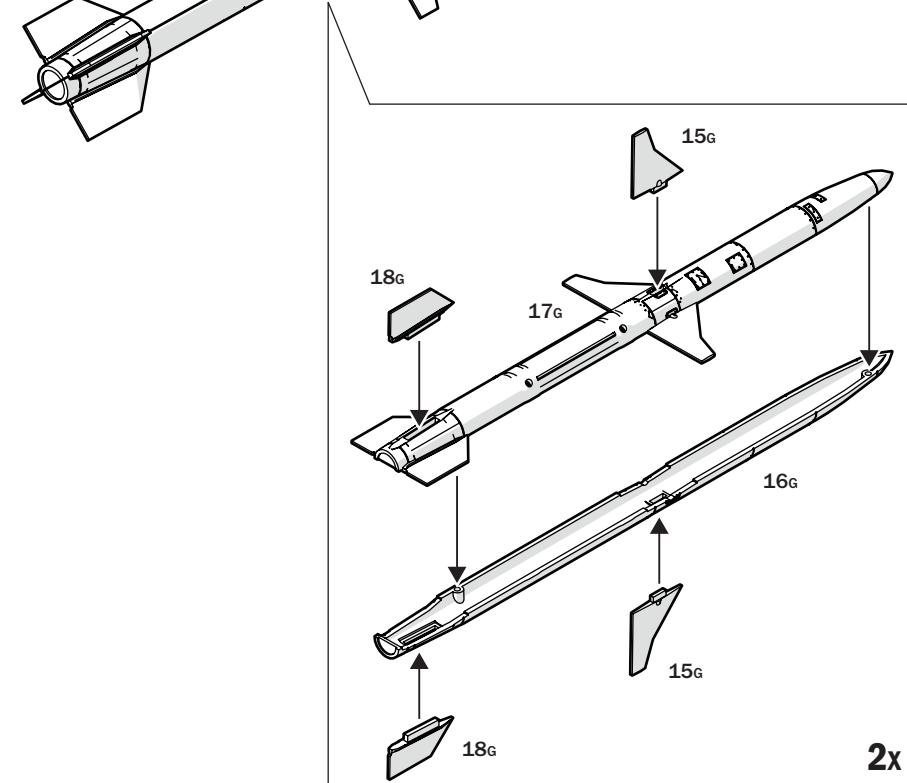
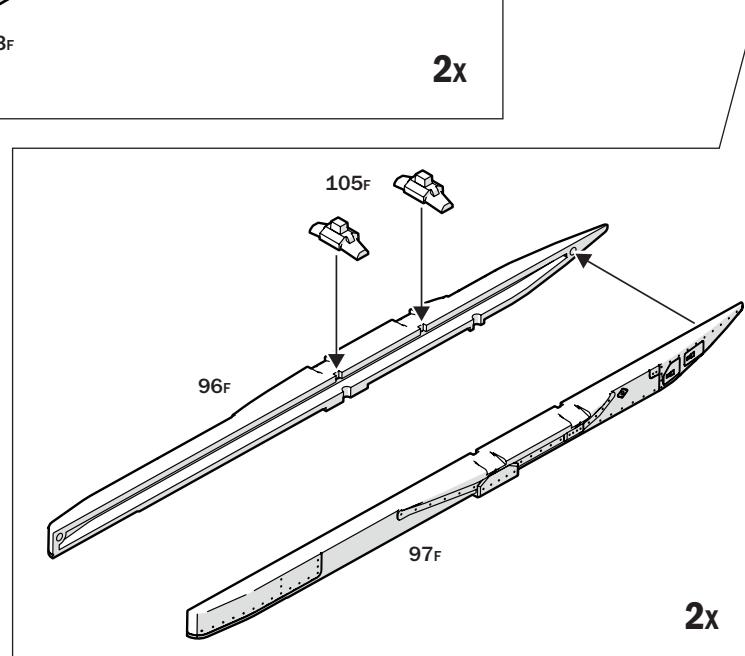


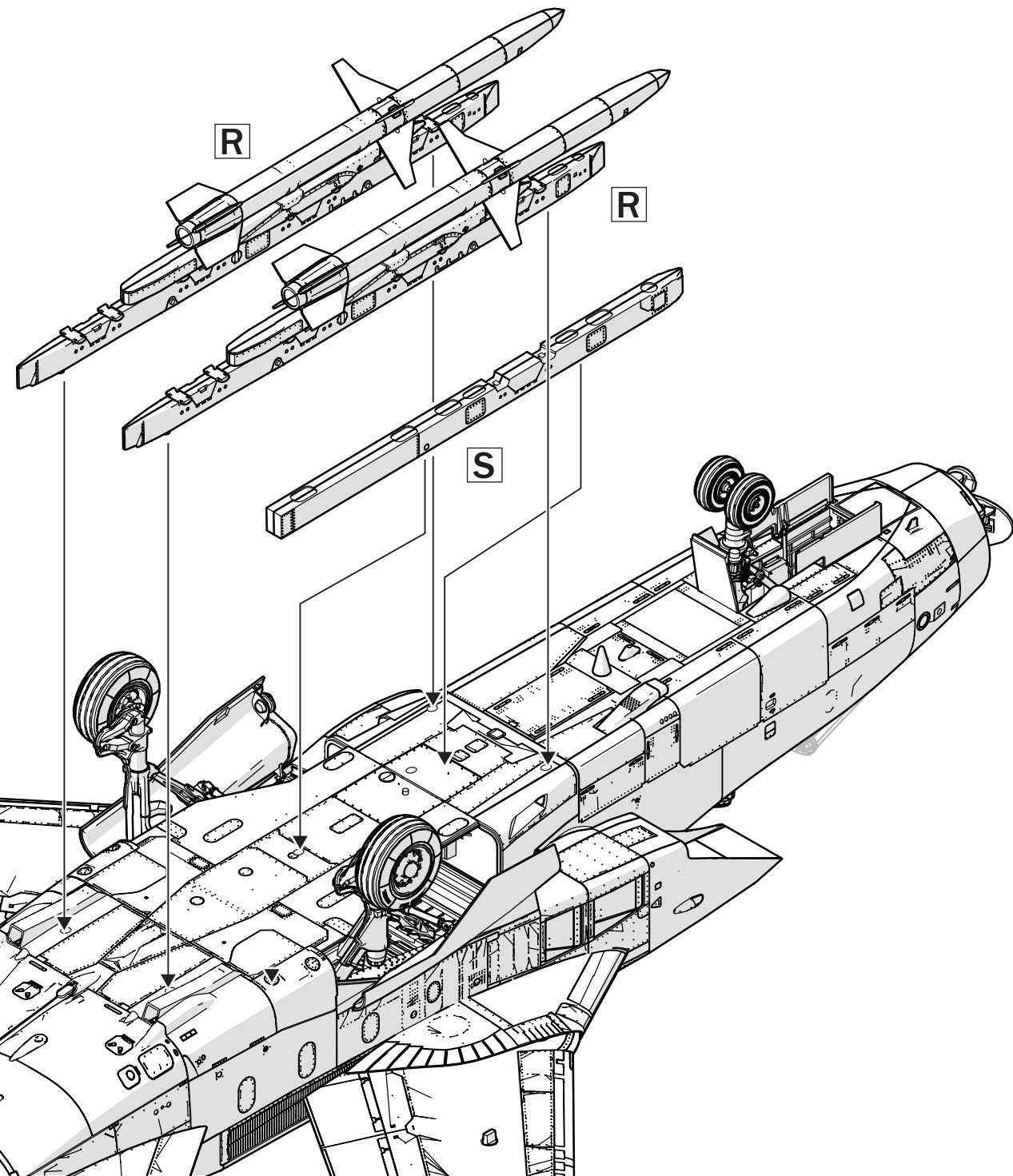
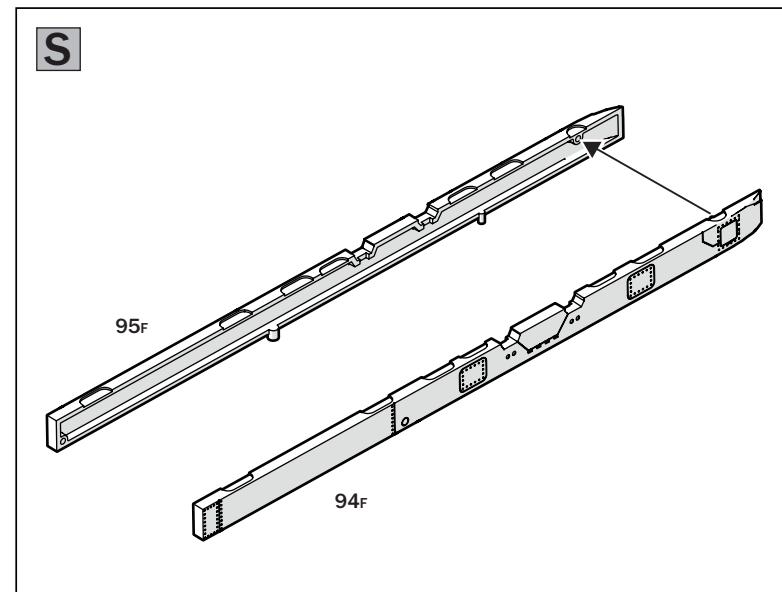
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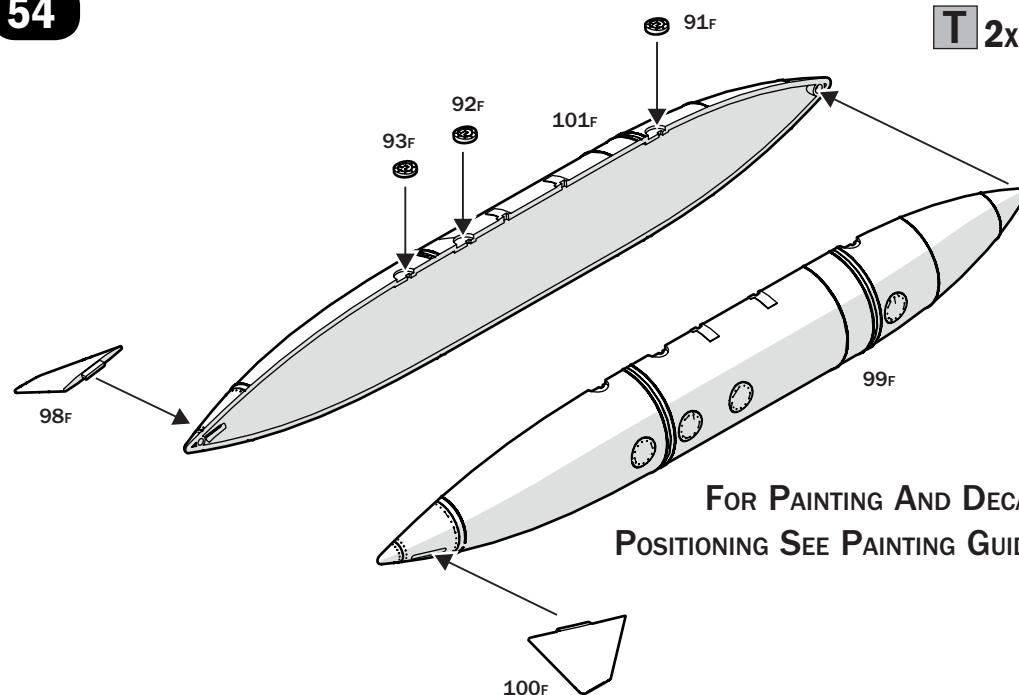
FOR PAINTING AND DECAL
POSITIONING SEE PAINTING GUIDE



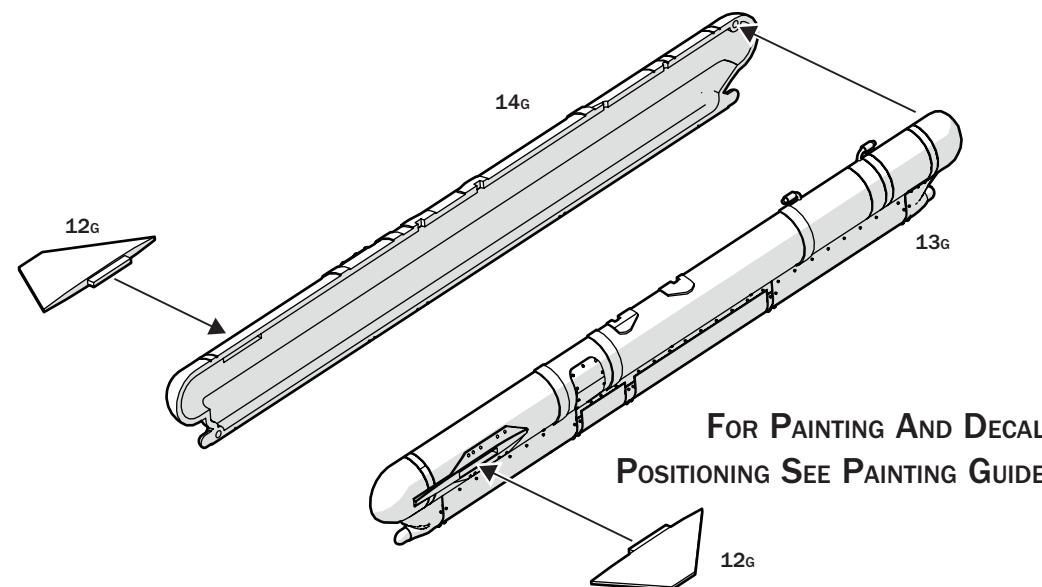


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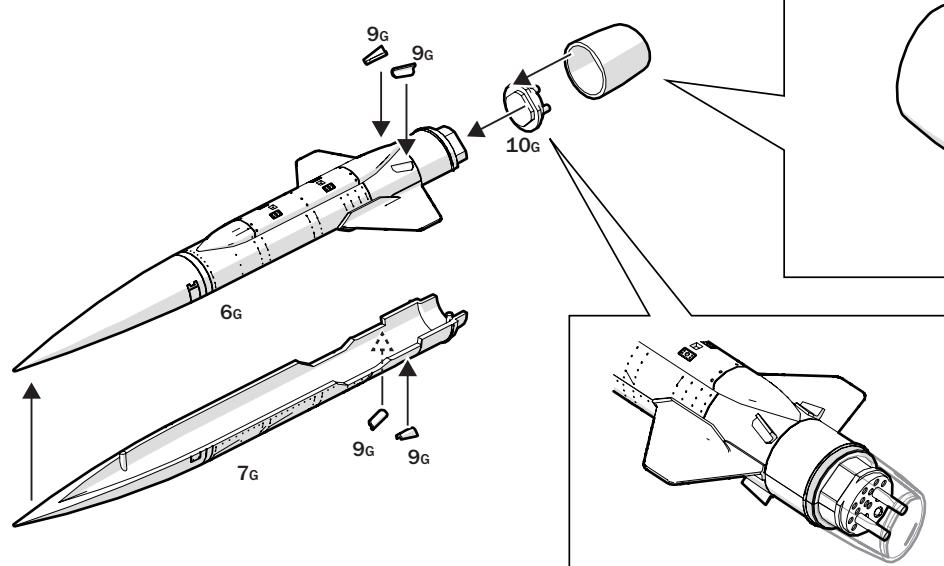
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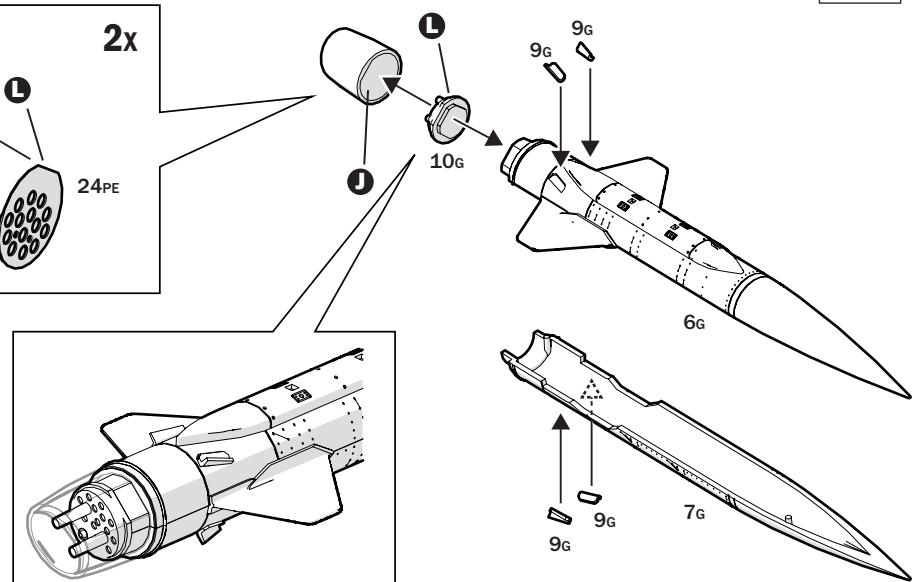
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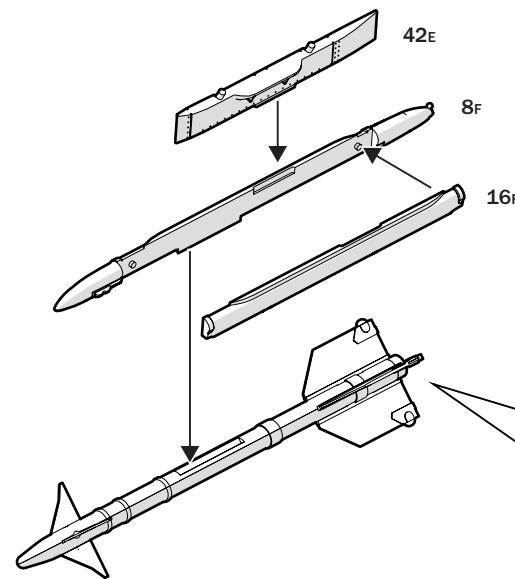
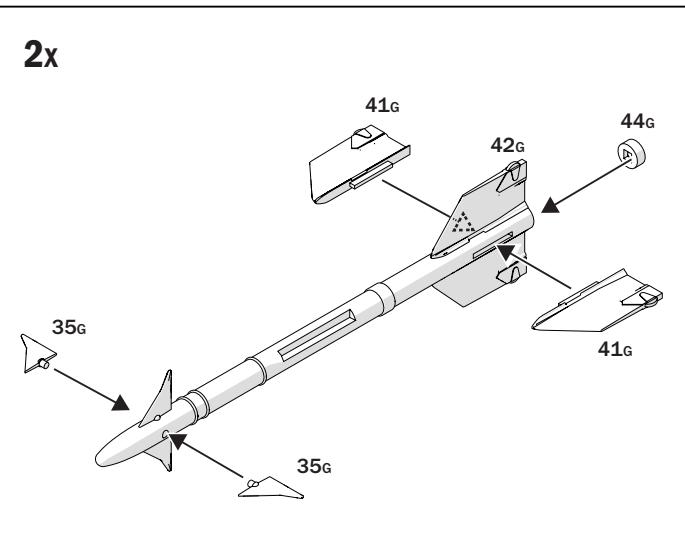
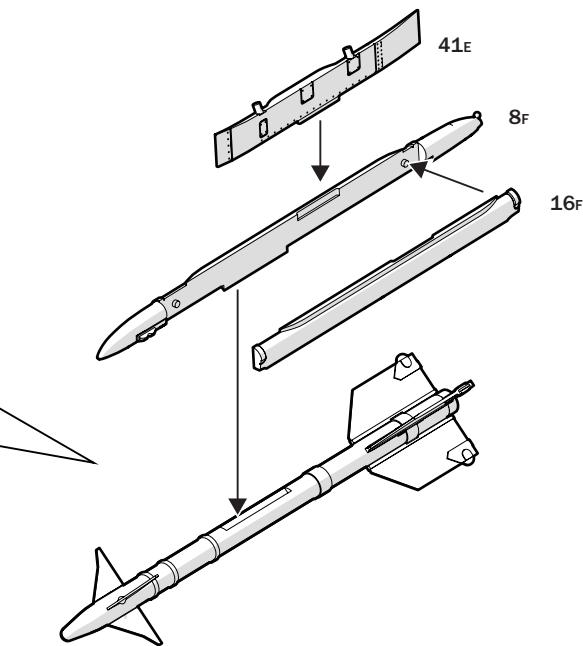


V1 RIGHT SIDE

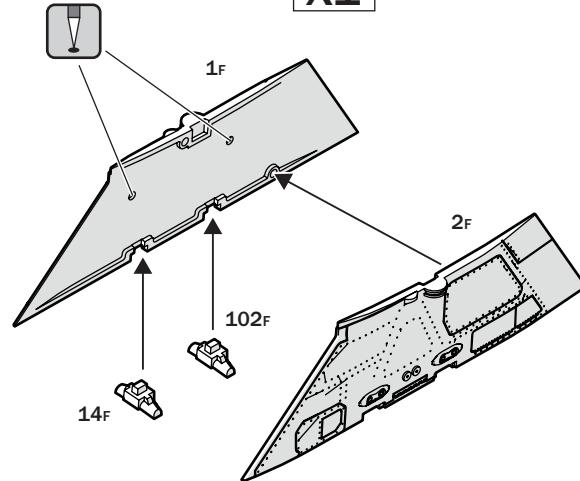
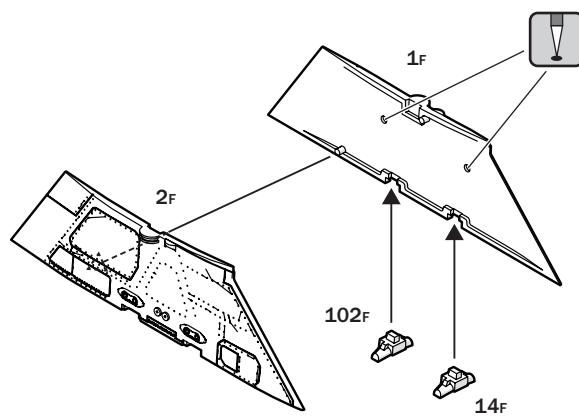
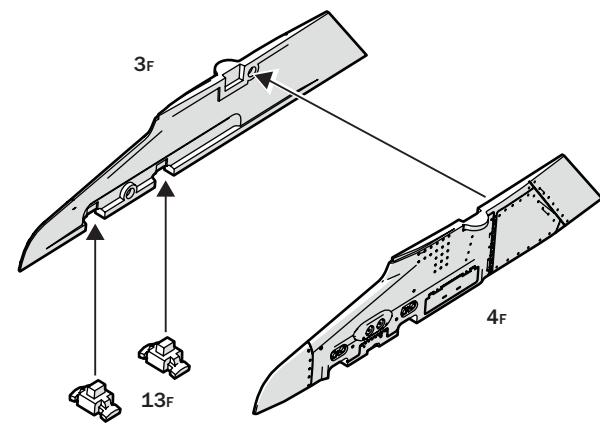


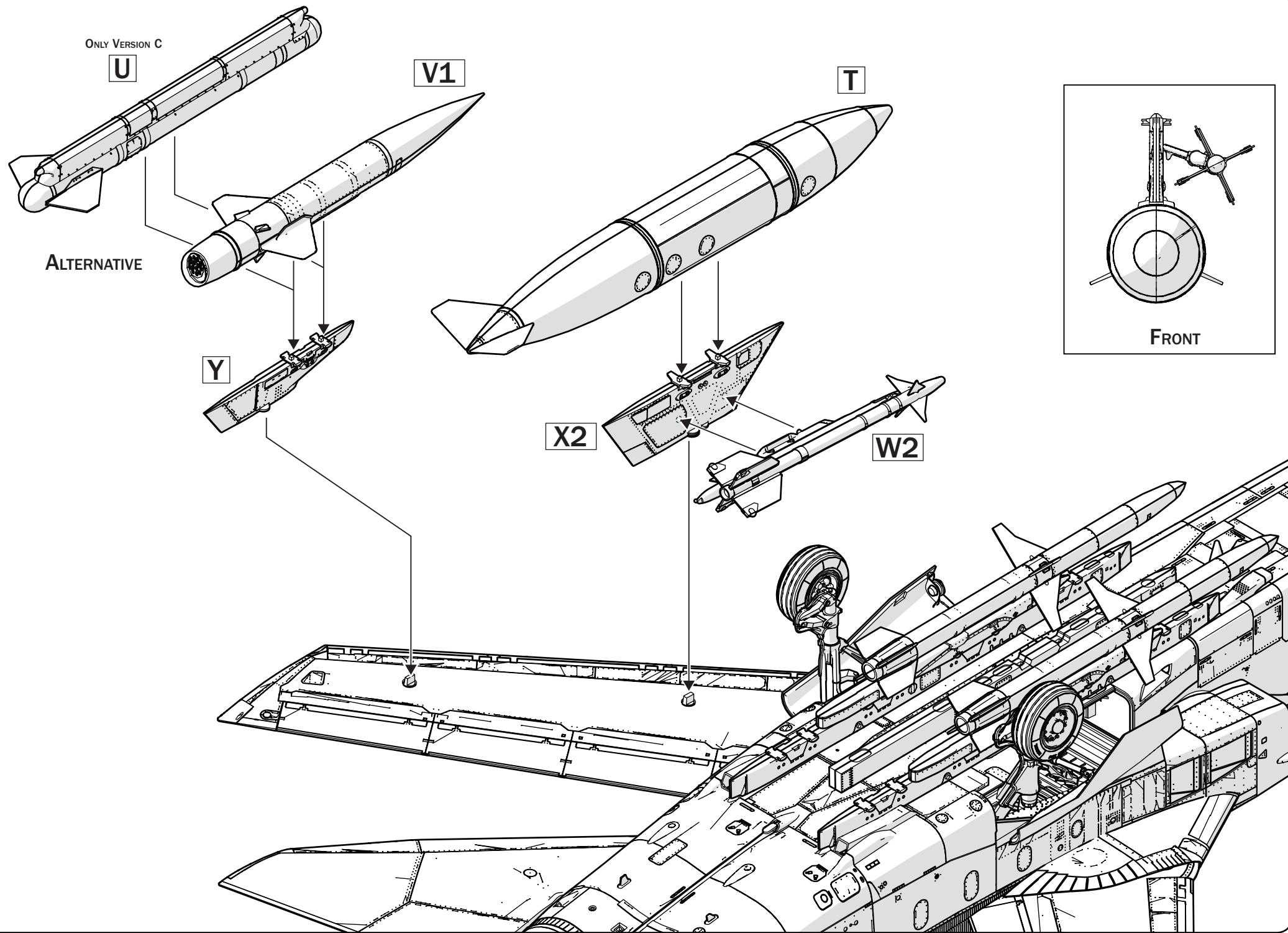
LEFT SIDE

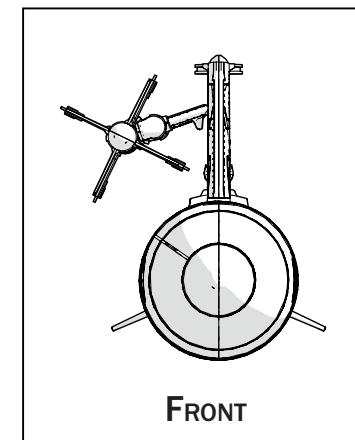


W1**2x****W2**

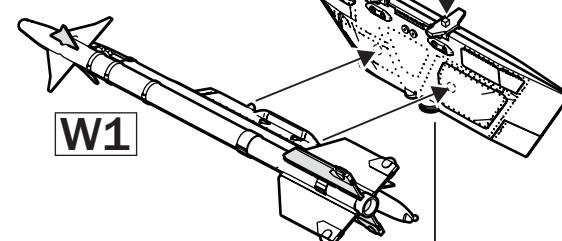
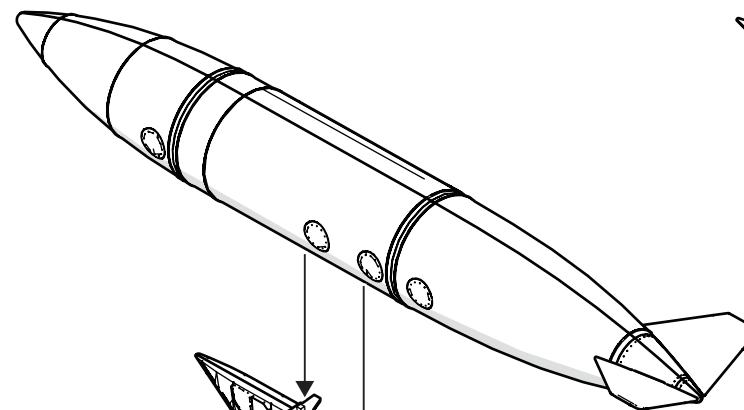
**FOR PAINTING AND DECAL
POSITIONING SEE PAINTING GUIDE**

X1**X2****Y 2x**



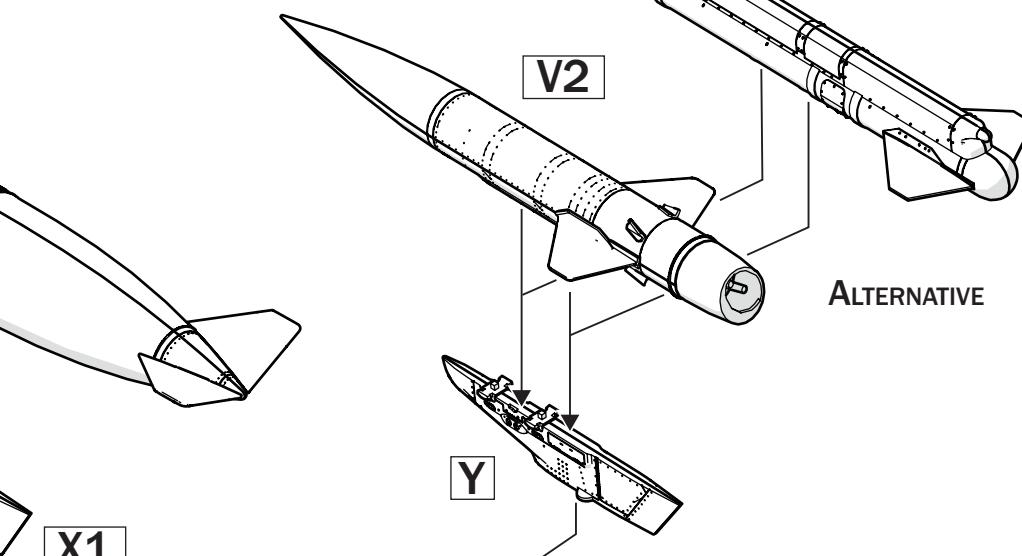


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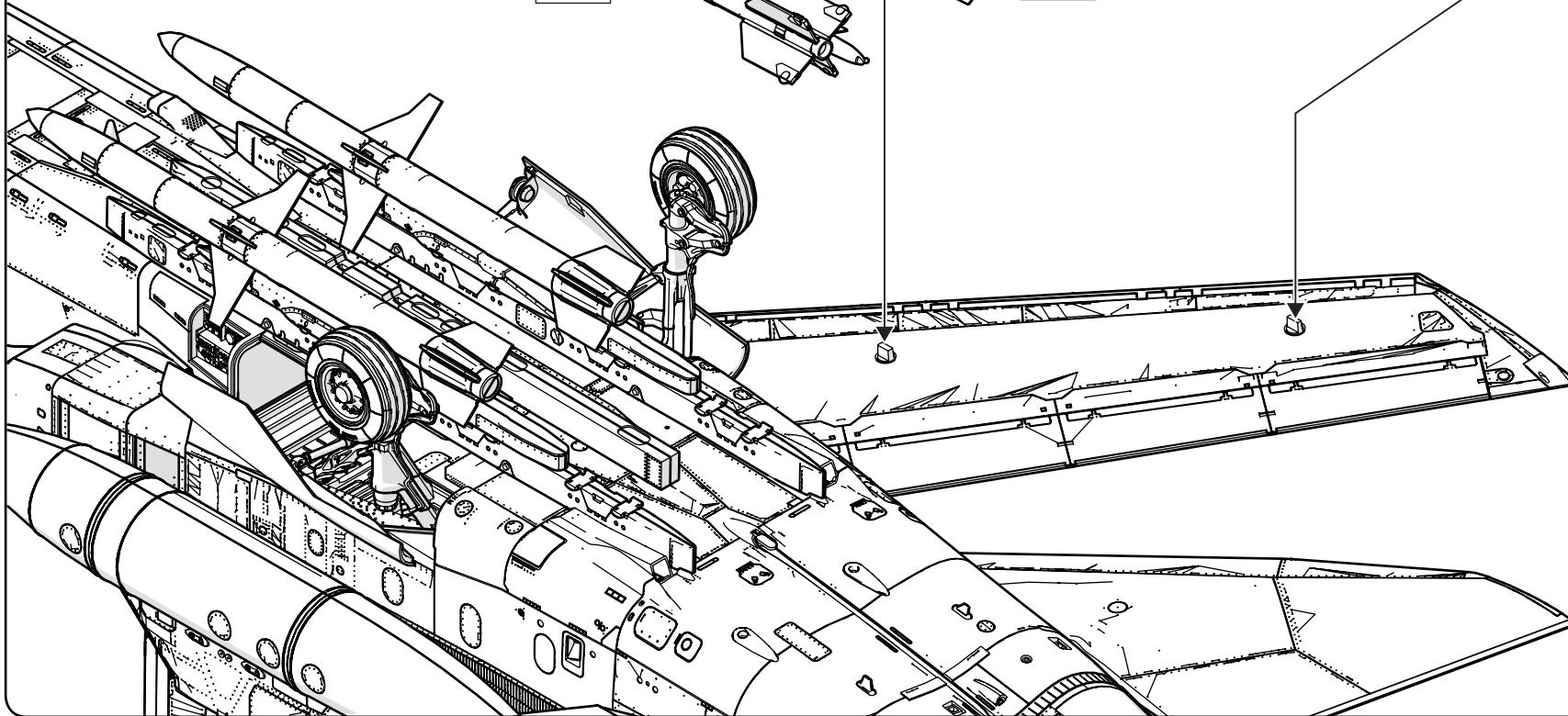
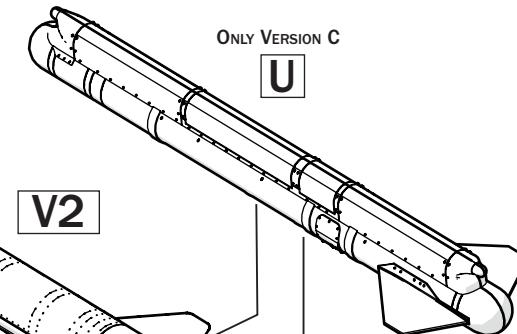
W1

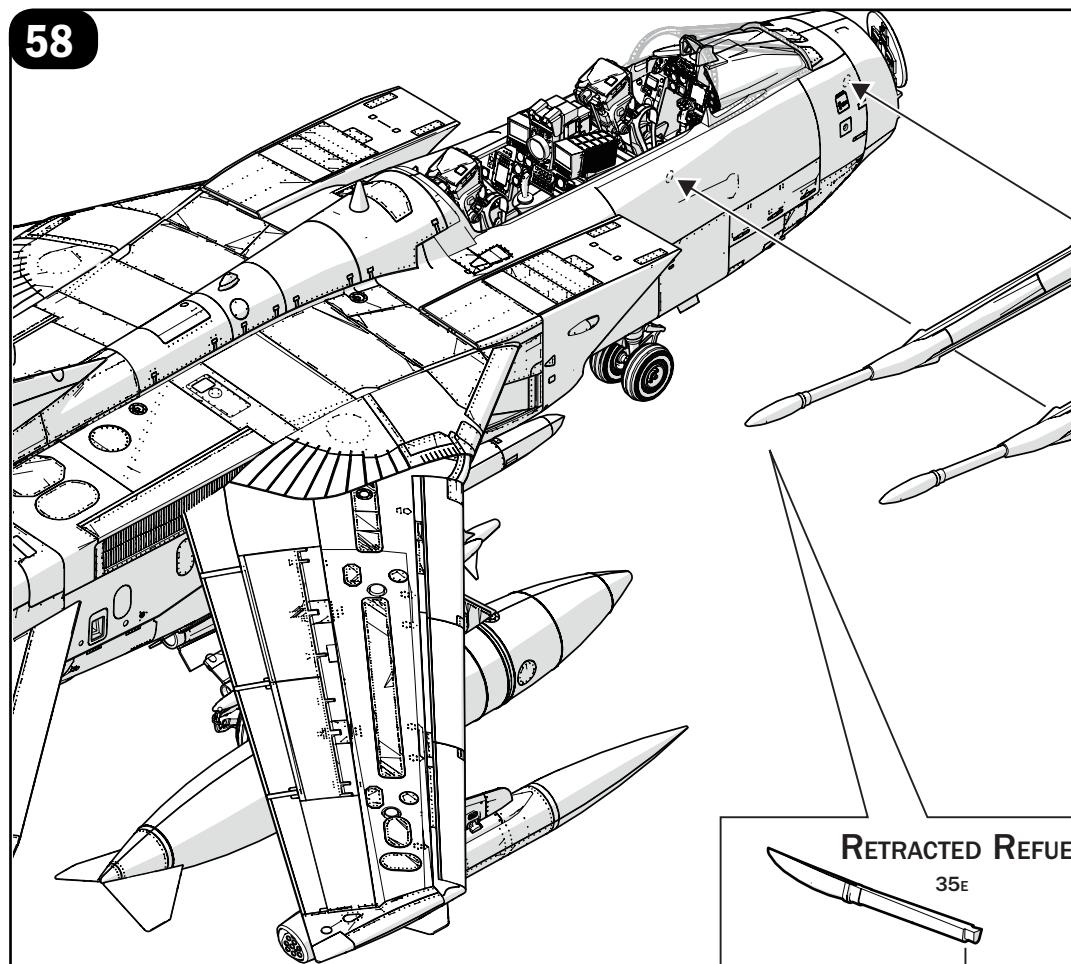
X1



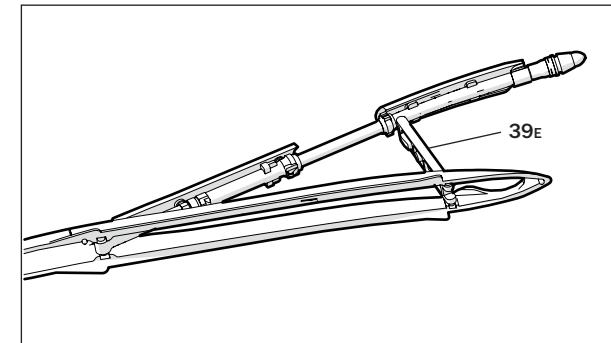
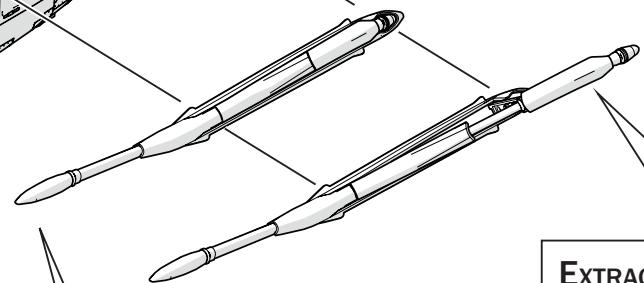
ONLY VERSION C

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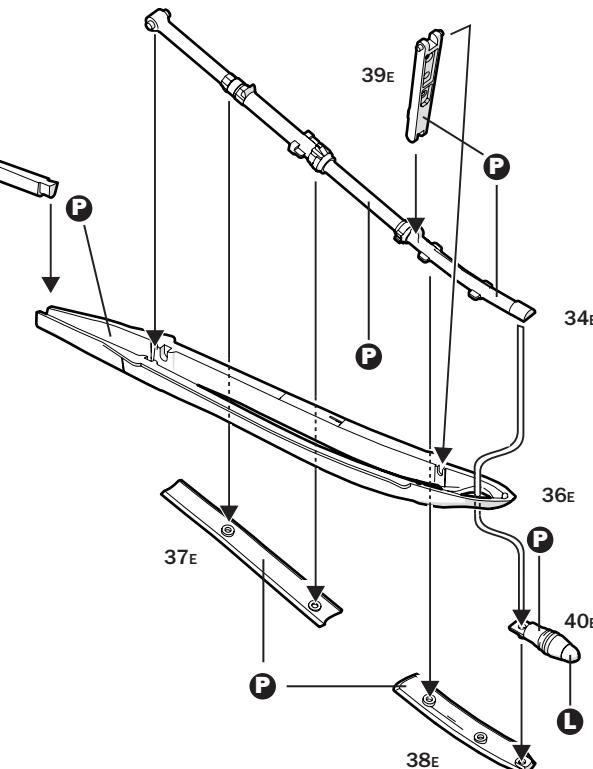




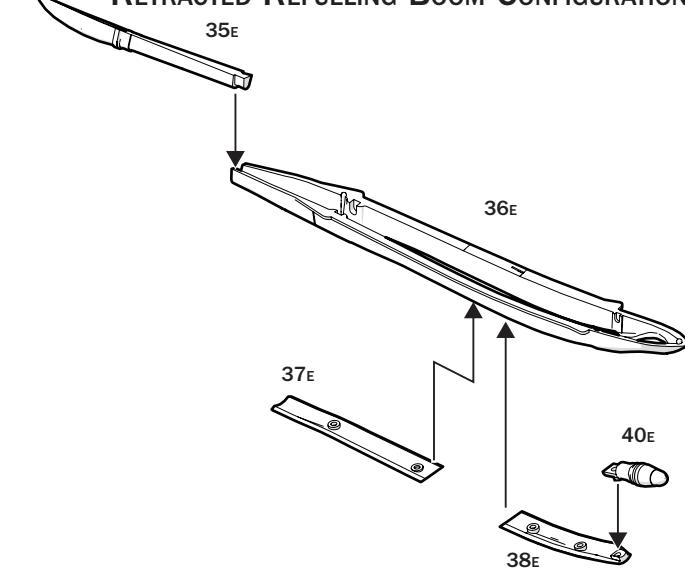
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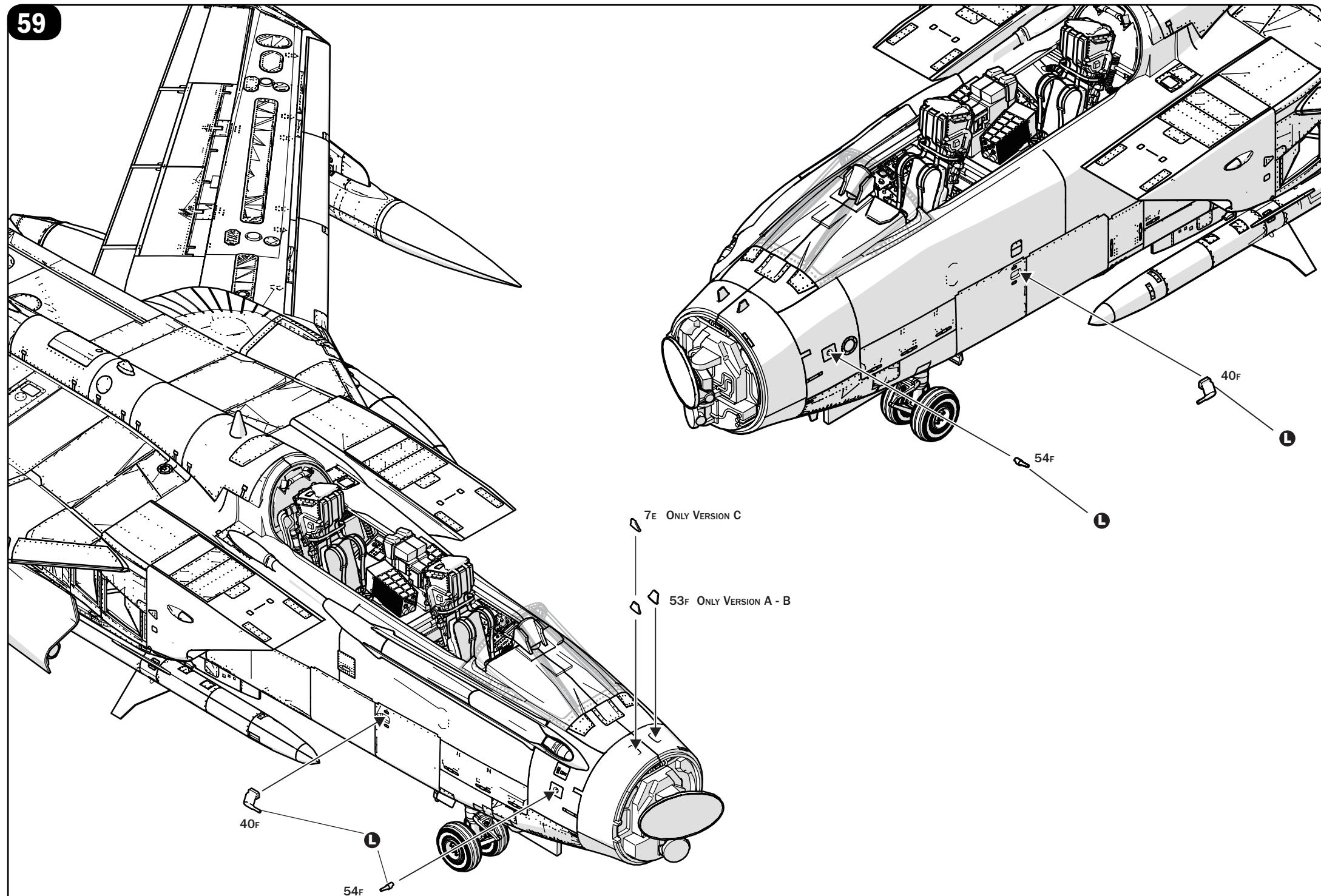


EXTRACTED REFUELING BOOM CONFIGURATION

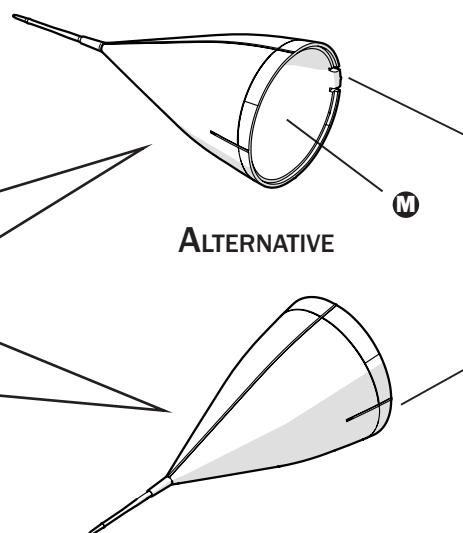
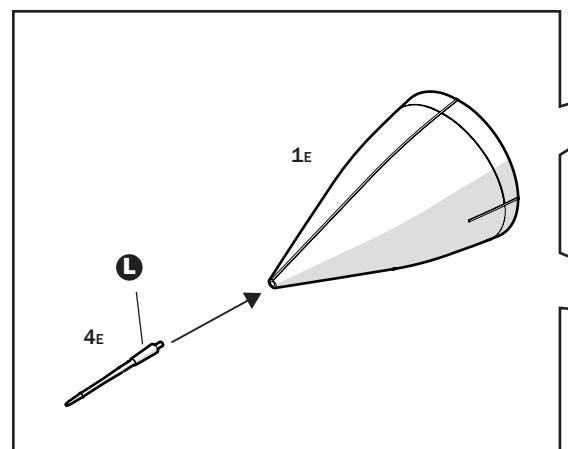
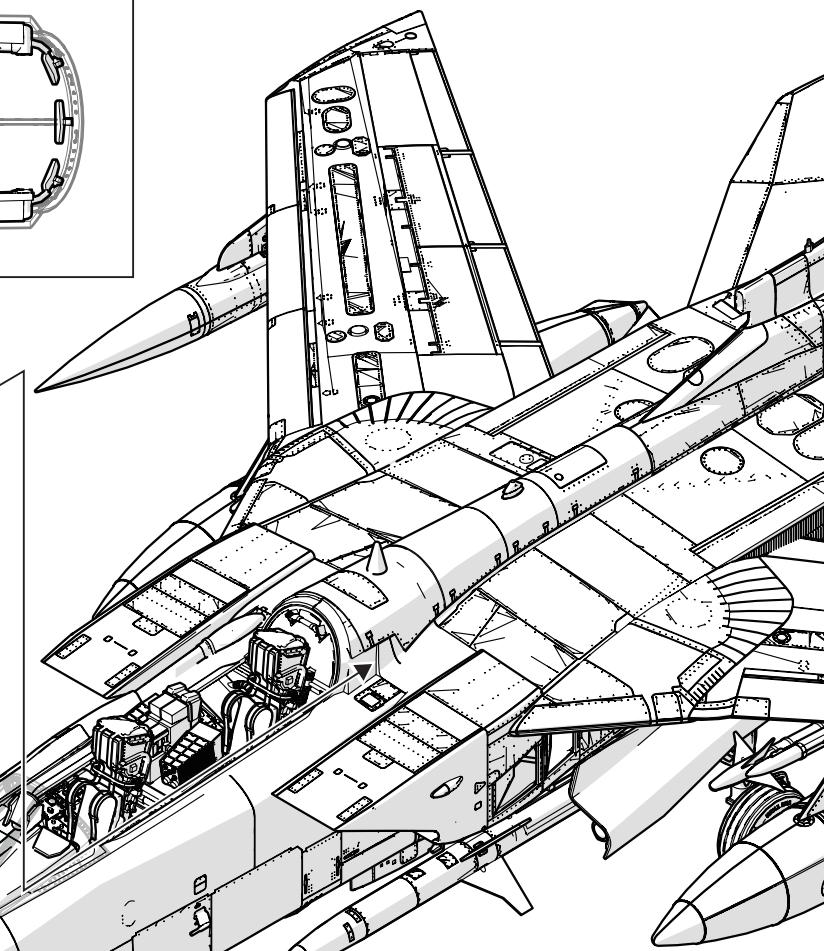
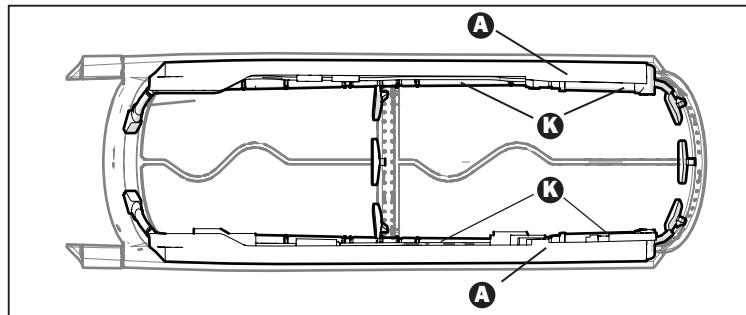
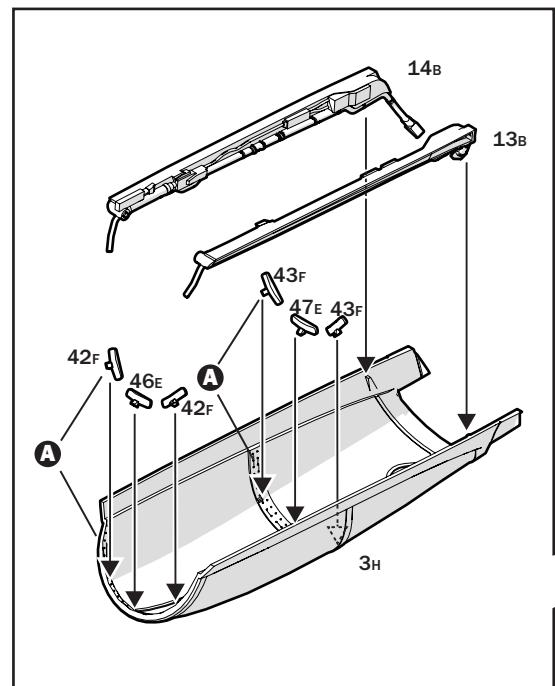


RETRACTED REFUELING BOOM CONFIGURATION

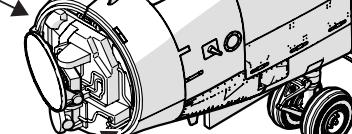




CLOSED CANOPY CONFIGURATION



ALTERNATIVE



OPENED CANOPY CONFIGURATION

