

# instruction manual

DBMK 32-001

1:32

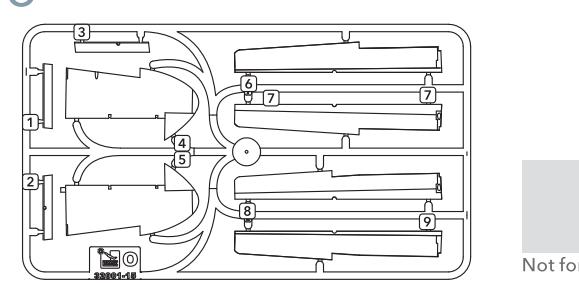
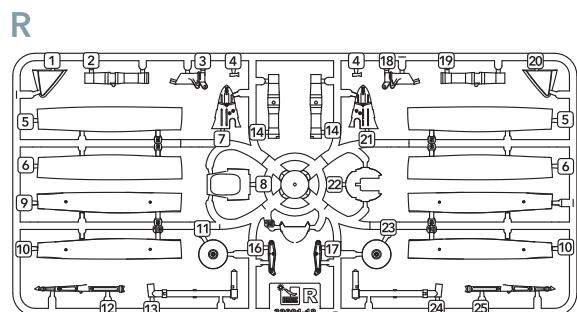
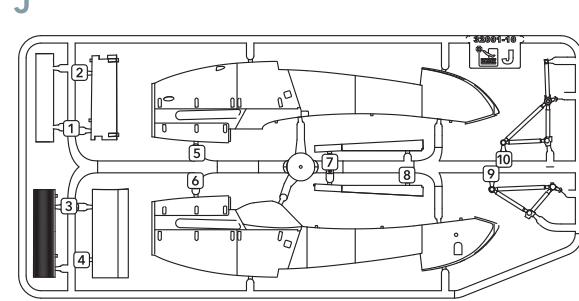
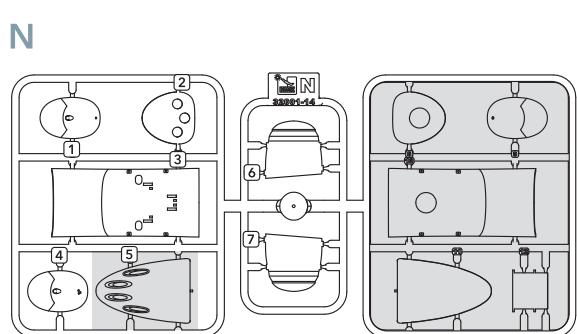
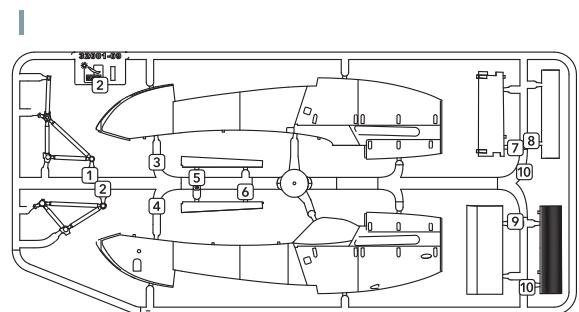
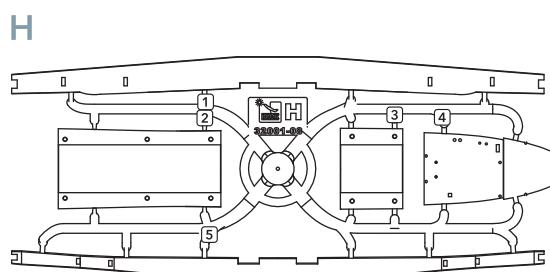
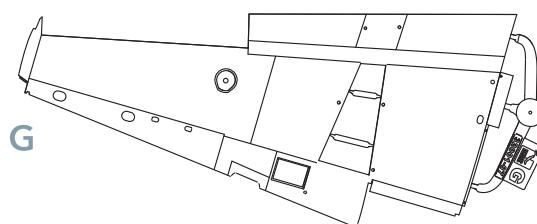
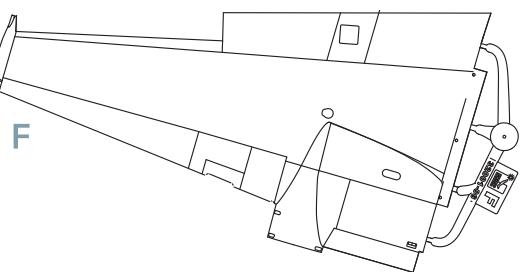
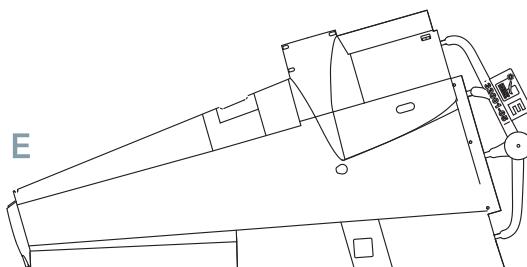
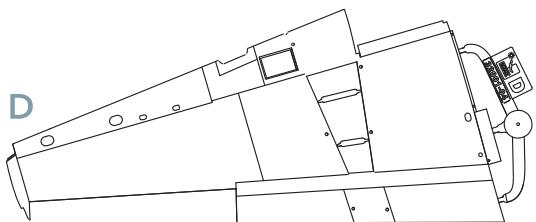
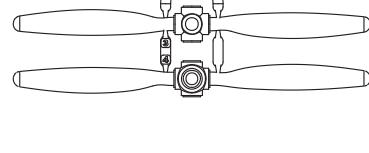
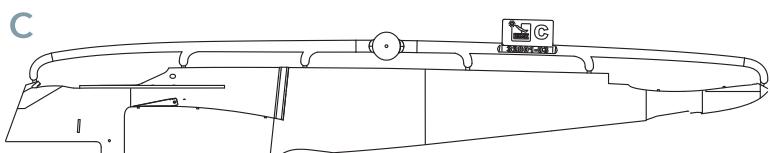
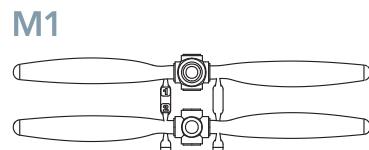
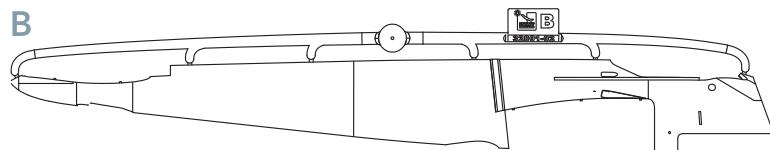
**DH.103 Hornet F.Mk 3**



# Parts layout



## PLASTIC PARTS



## Legend

xx  
paint code

A34  
sprue &  
part number

PE34  
p.e. part  
number

RP08  
resin part  
number

1  
sub-assembly

1,2  
scheme  
option

48  
apply  
decal

bend

do not glue

drill

x2  
repeat

?  
option

x  
remove

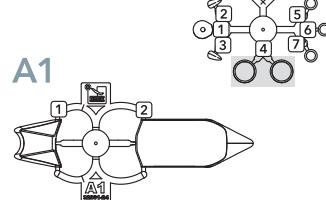
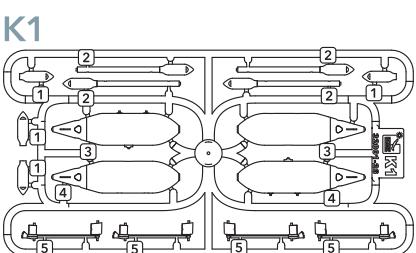
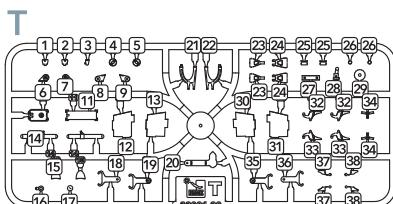
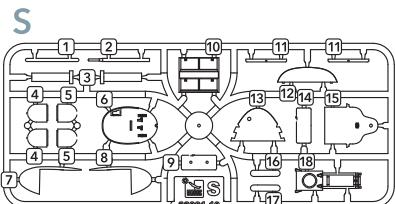
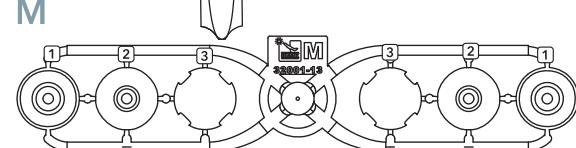
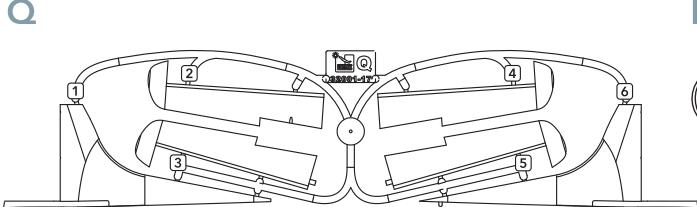
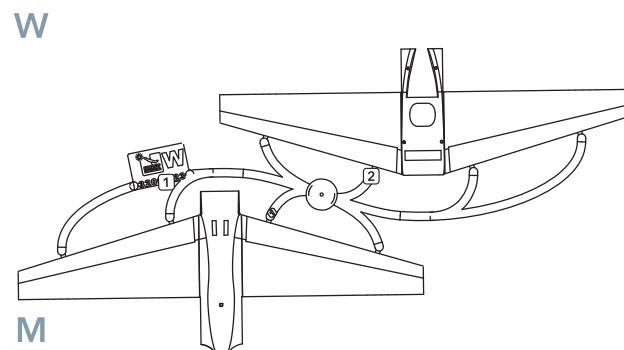
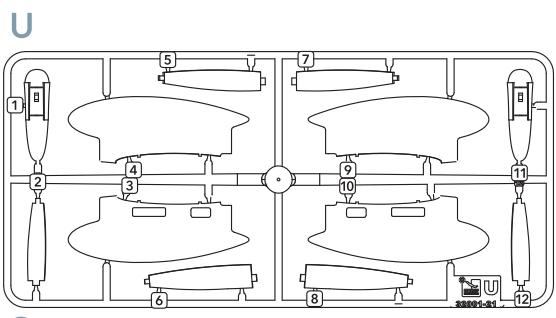
repeat  
symmetrically

scratch  
build

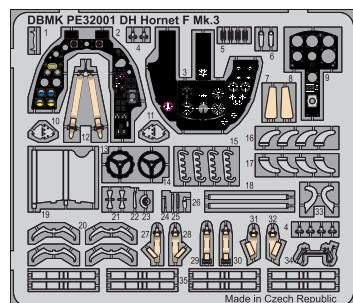
i  
info

Not for use

## Parts layout



### PE - PHOTO ETCHED PARTS



### FILM PARTS

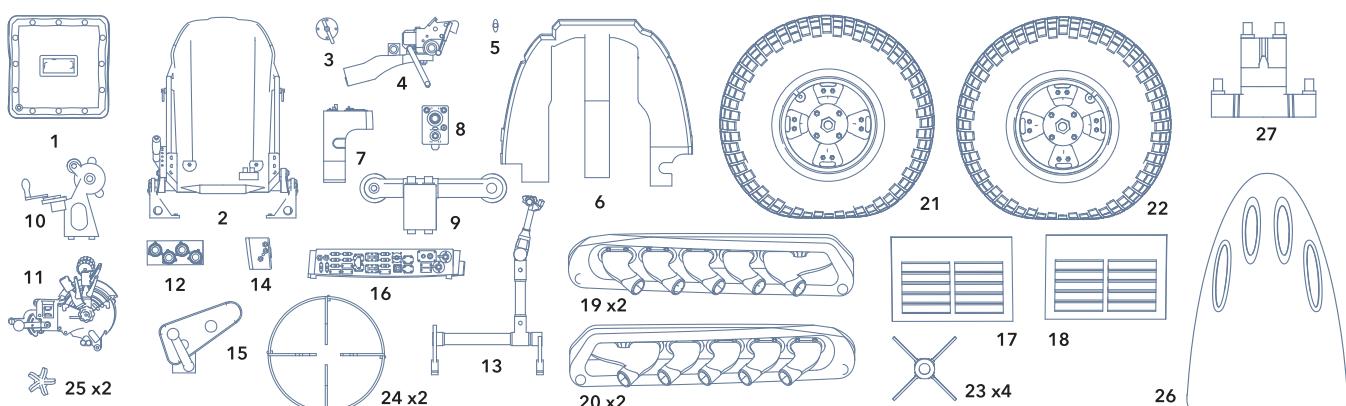


### METAL ROD



Brass / Steel 0.6mm dia  
and 13 mm long

### RP - 3D PRINTED PARTS



## Colour Chart

Paint code BS (British Standard) code

Name

MA		Aluminium
BM		Burned Metal
TG		Transparent Green
TR		Transparent Red
DG	BS241	Dark Green
TB		Tire Black
FB	BS00E53	Flat Black
OD	BS298	Olive Drab
MBG	BS226	Md.Brunsw.Green

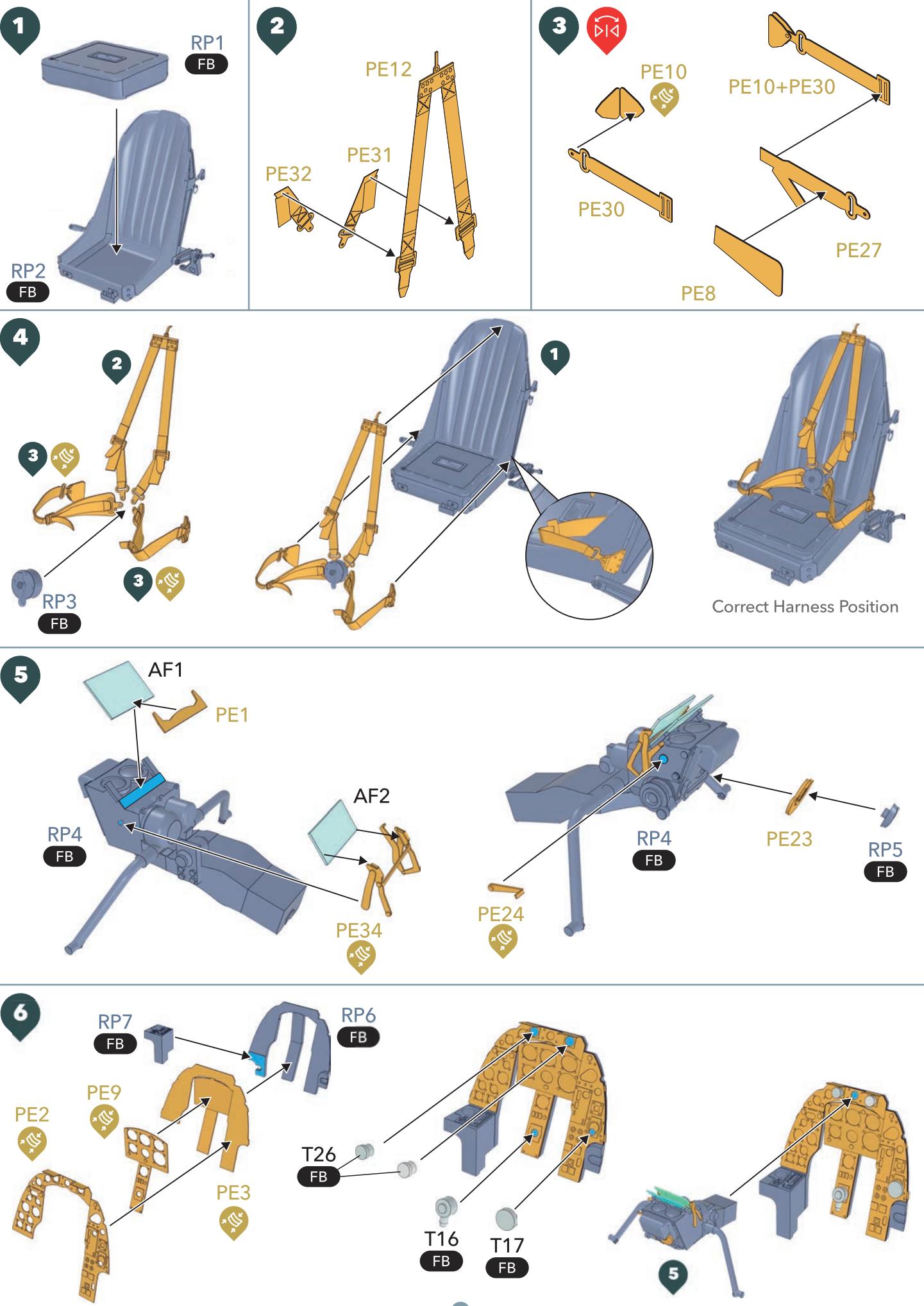
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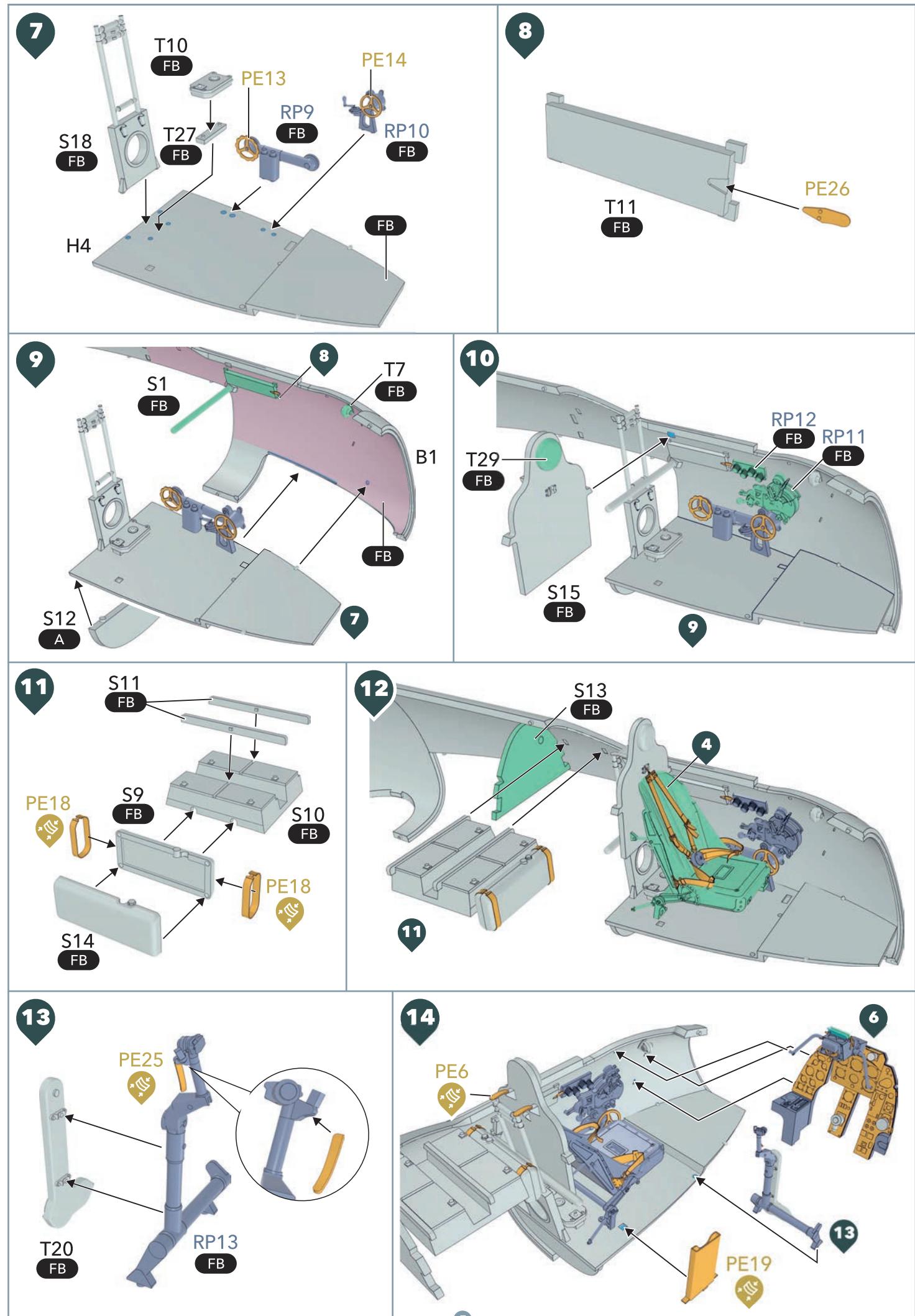
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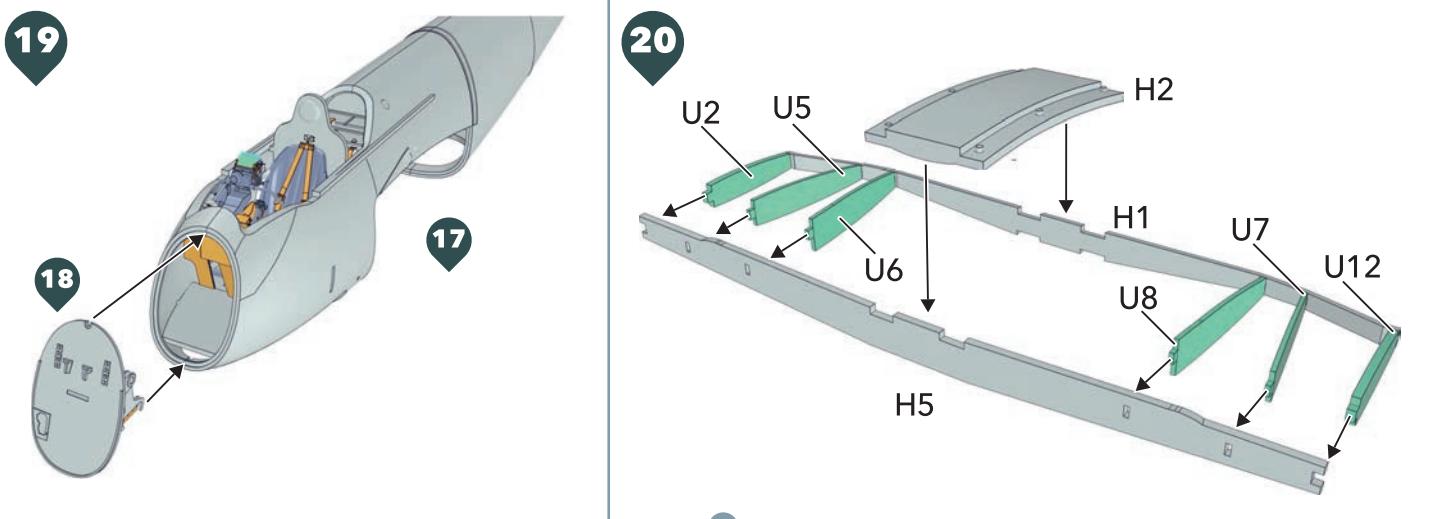
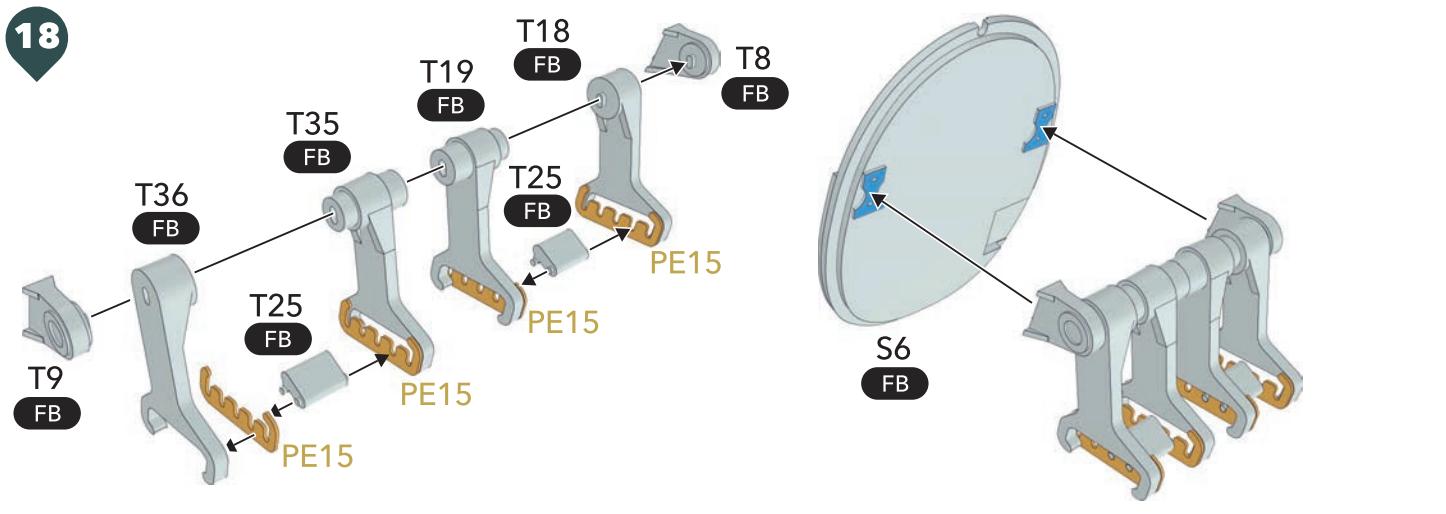
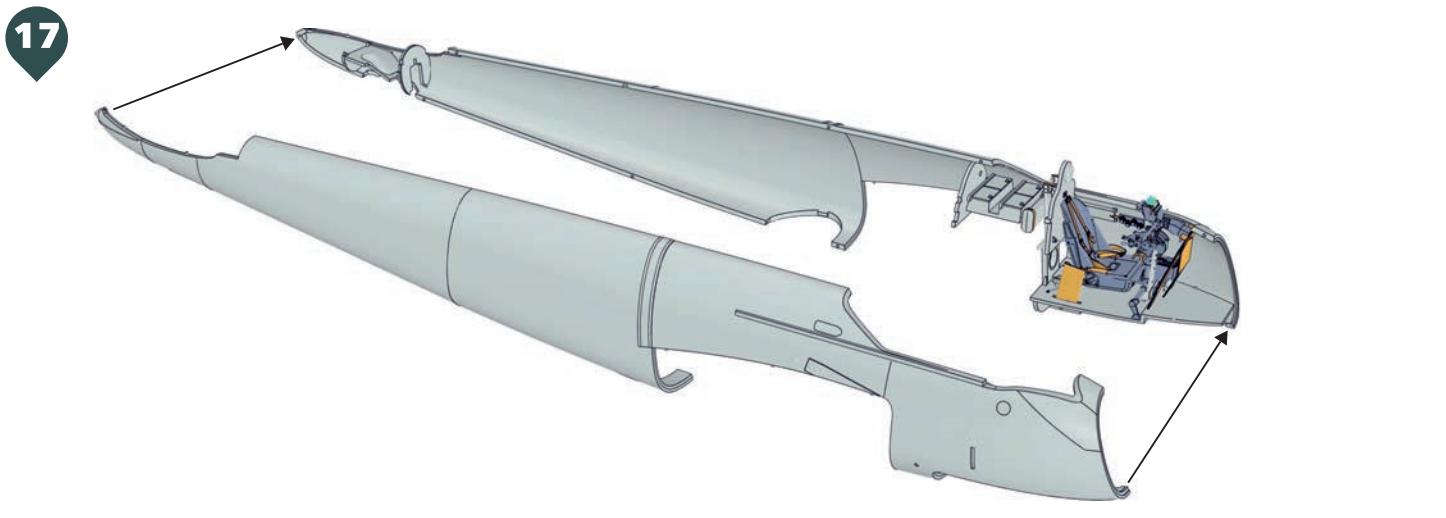
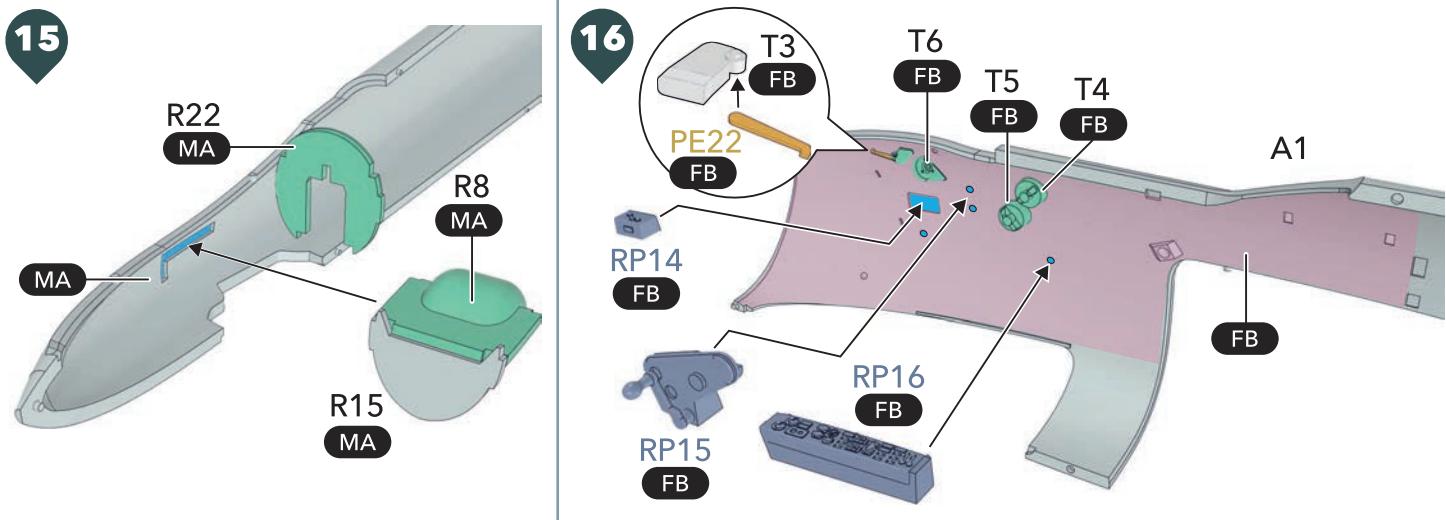
MSG	BS637	Medium Sea Grey
PRUB	BS636	PRU Blue
Y	BS08E53	Yellow
R	BS537	Red
MS		Steel
MCR		Chrome
MPS		Polished Steel
GM		Gun Metal
DSG	BS638	Dark Sea Grey

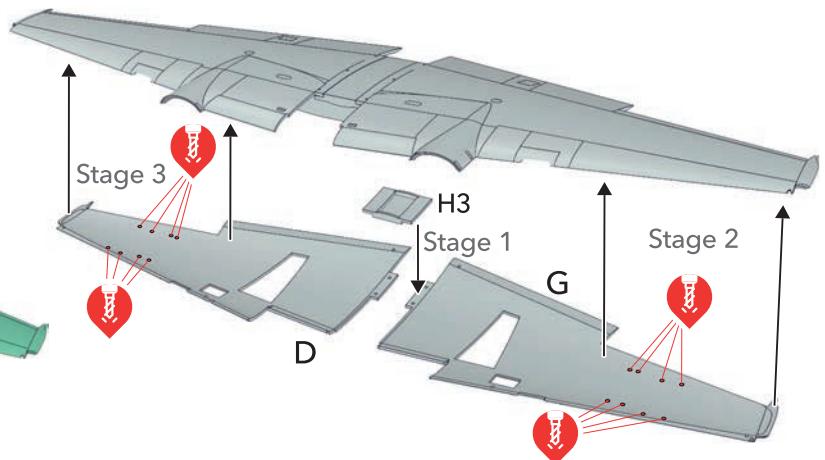
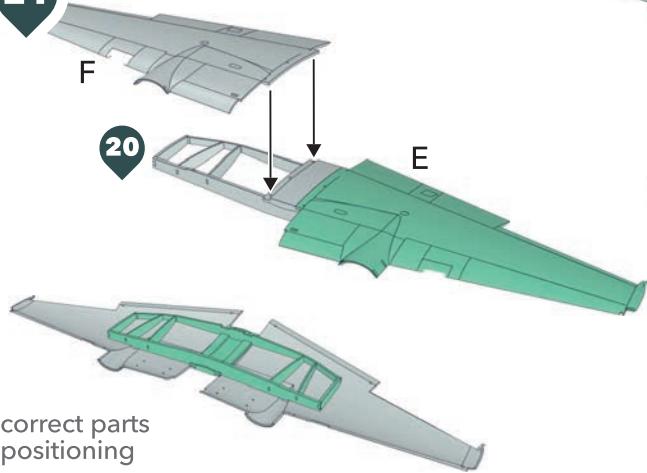
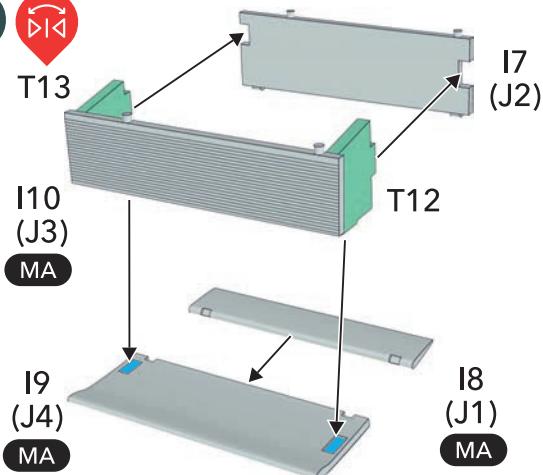
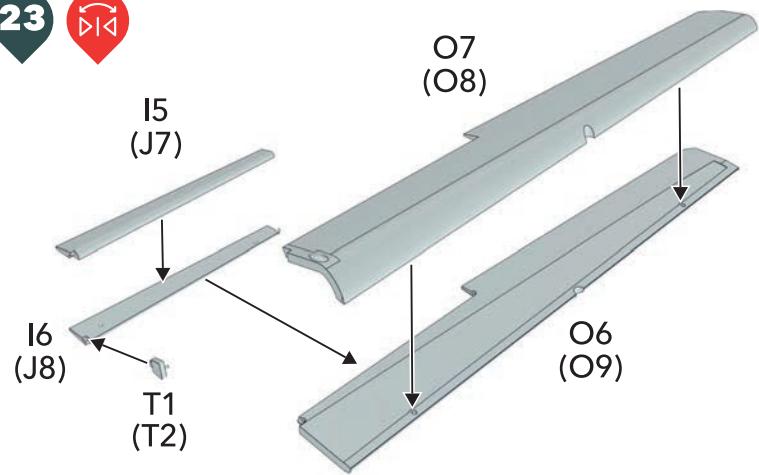
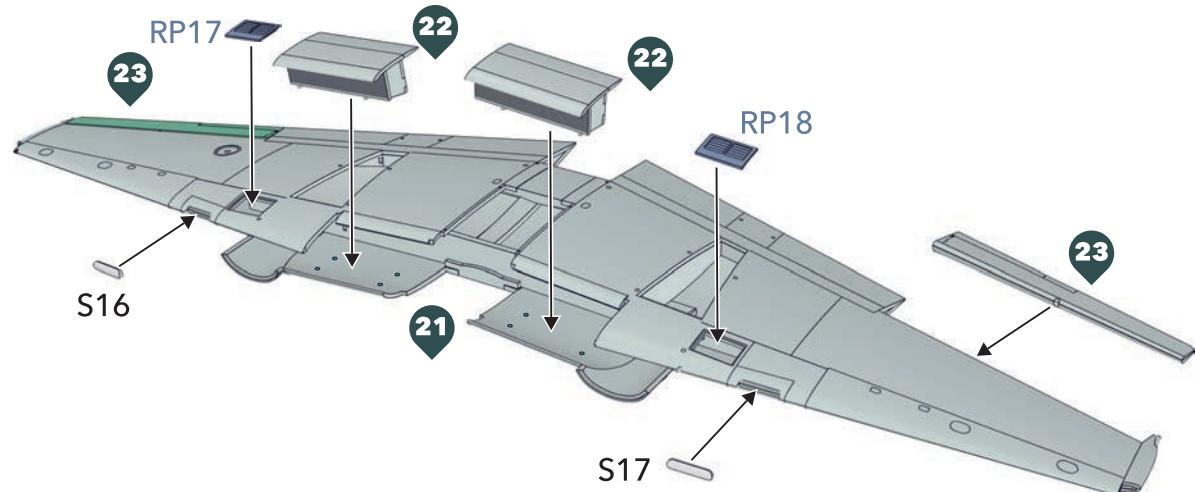
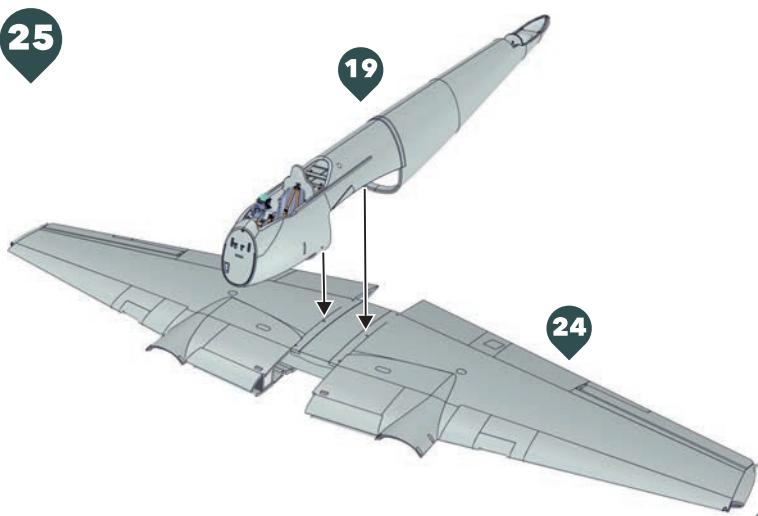
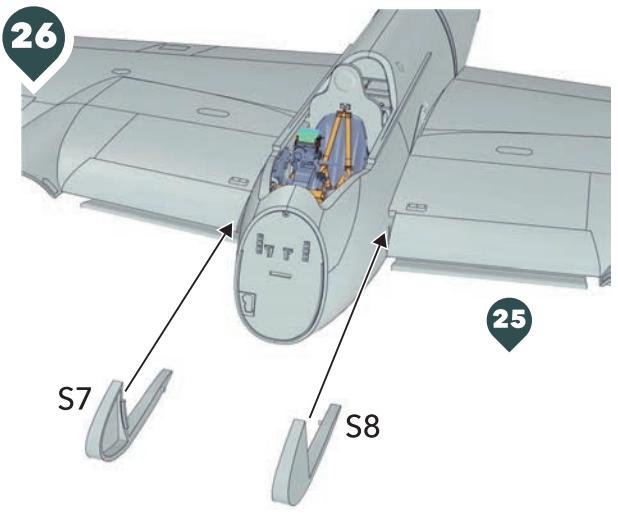
We recommend  
the use of  
good quality  
cyanoacrylate glue  
to attach  
the photoetch and  
3-D printed parts

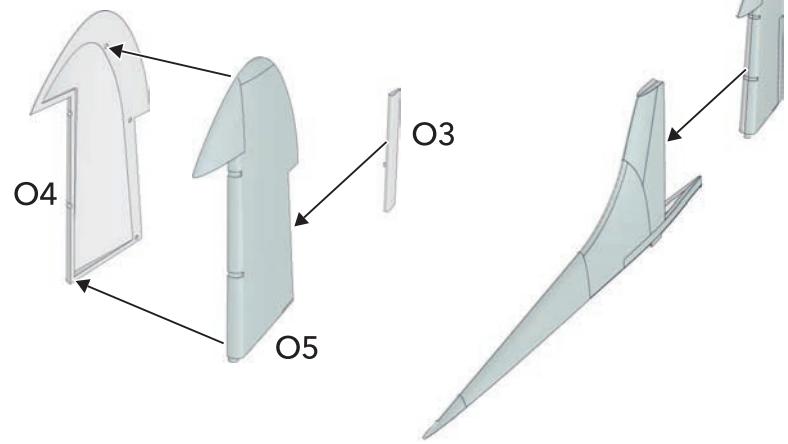
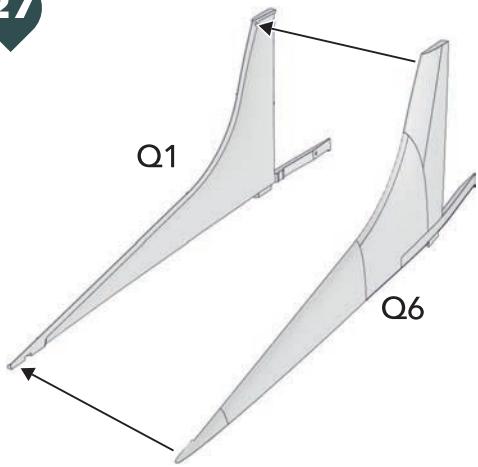
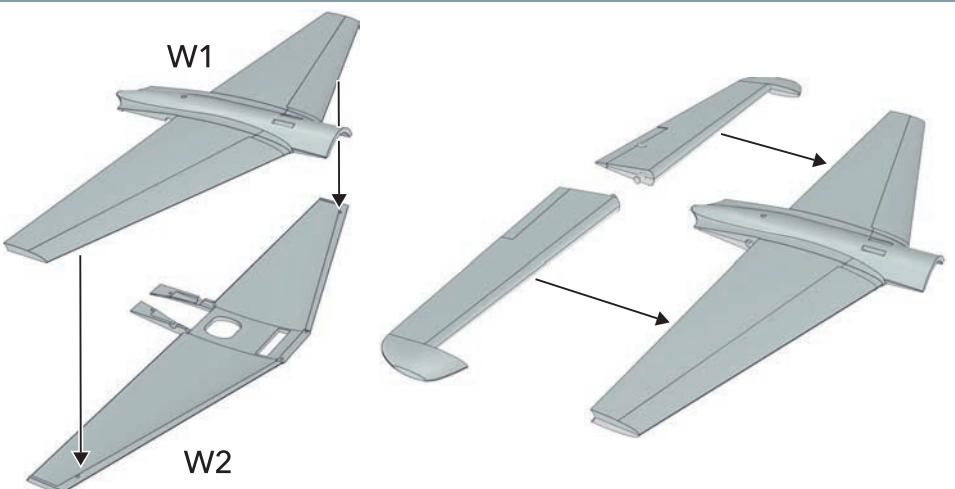
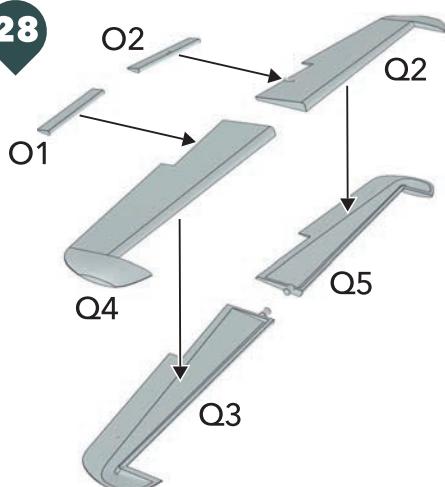
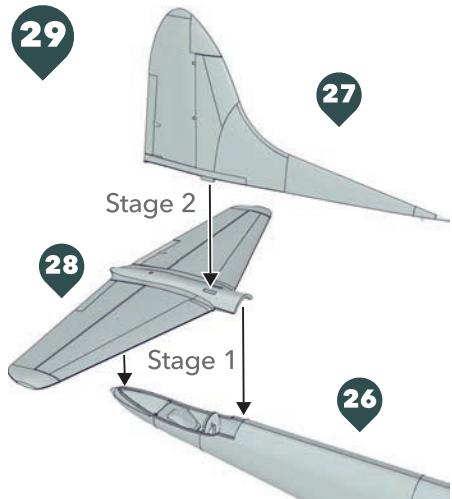
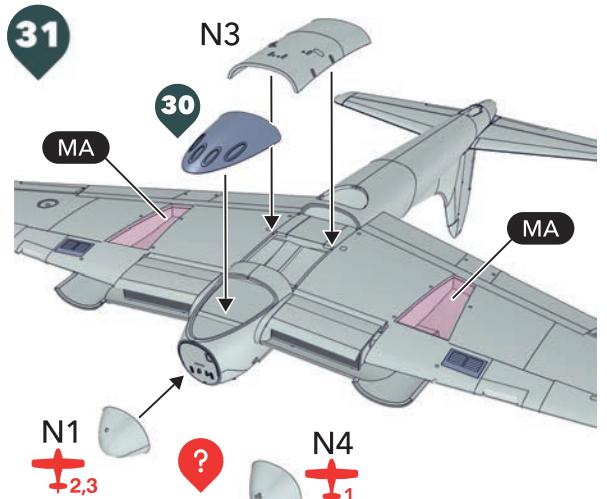
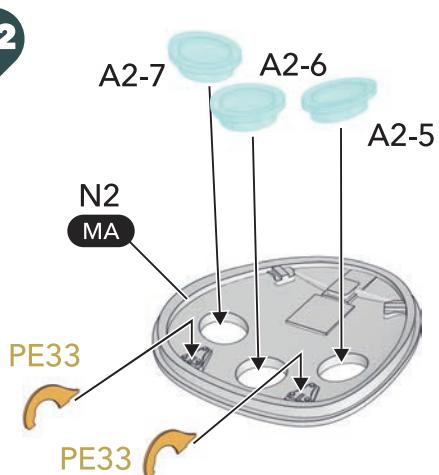
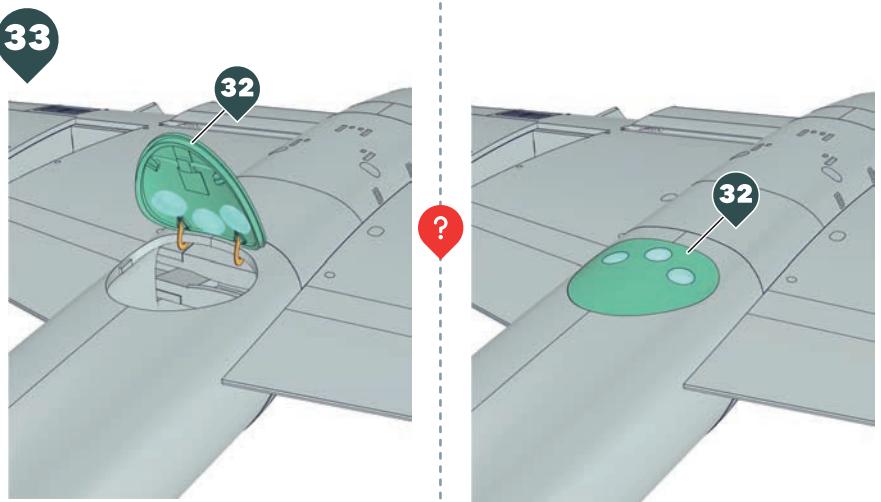
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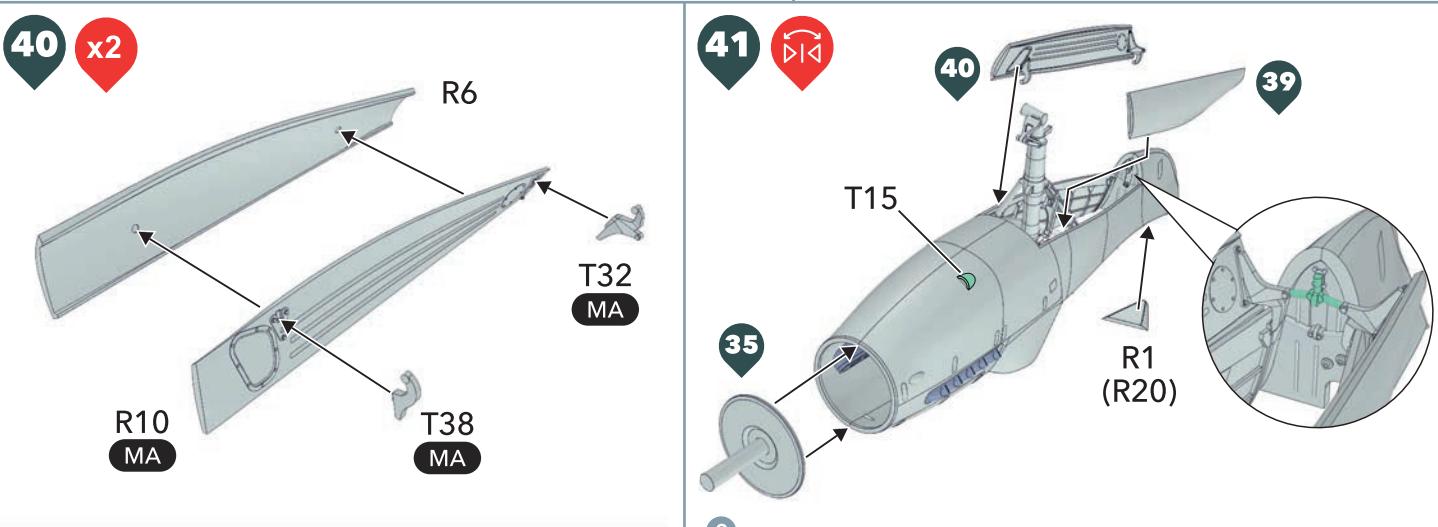
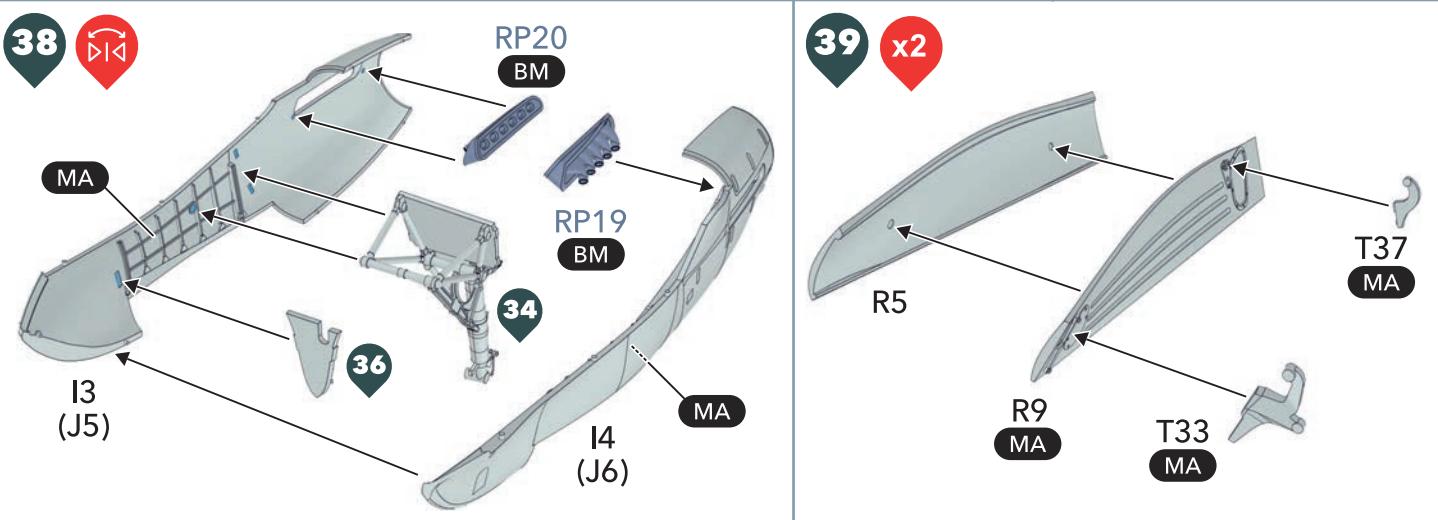
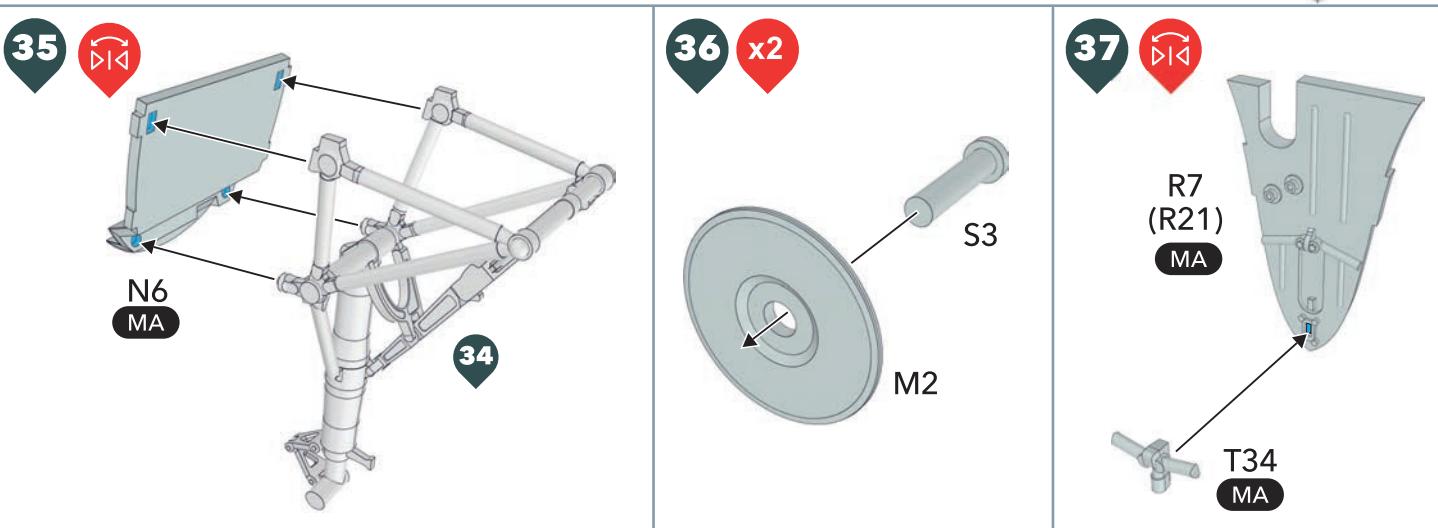
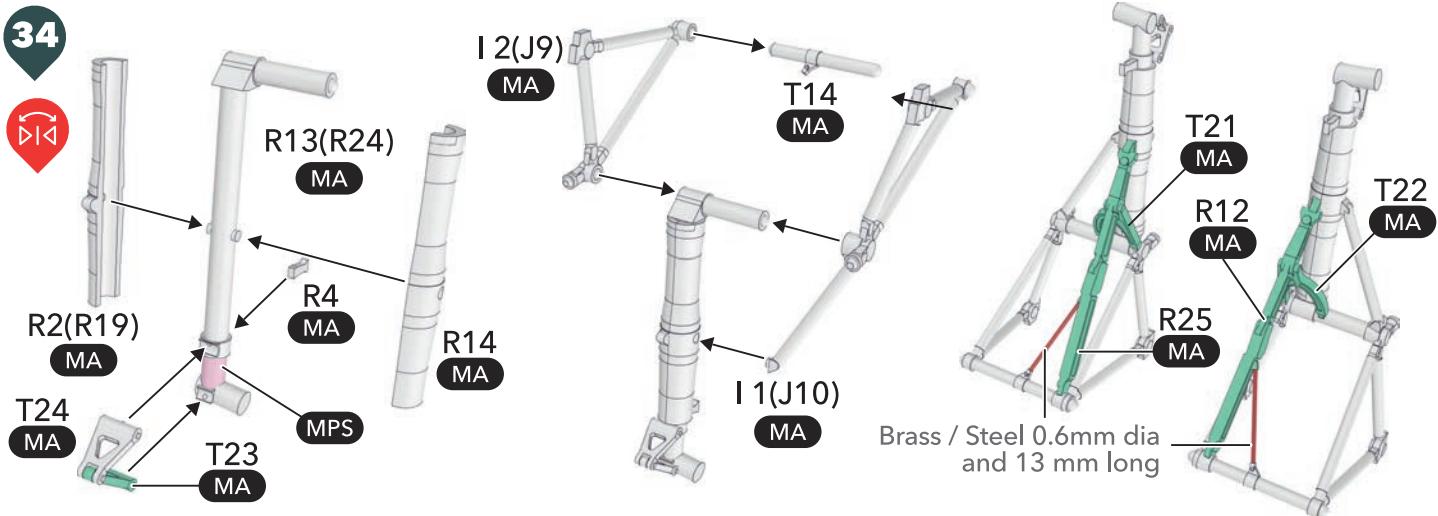


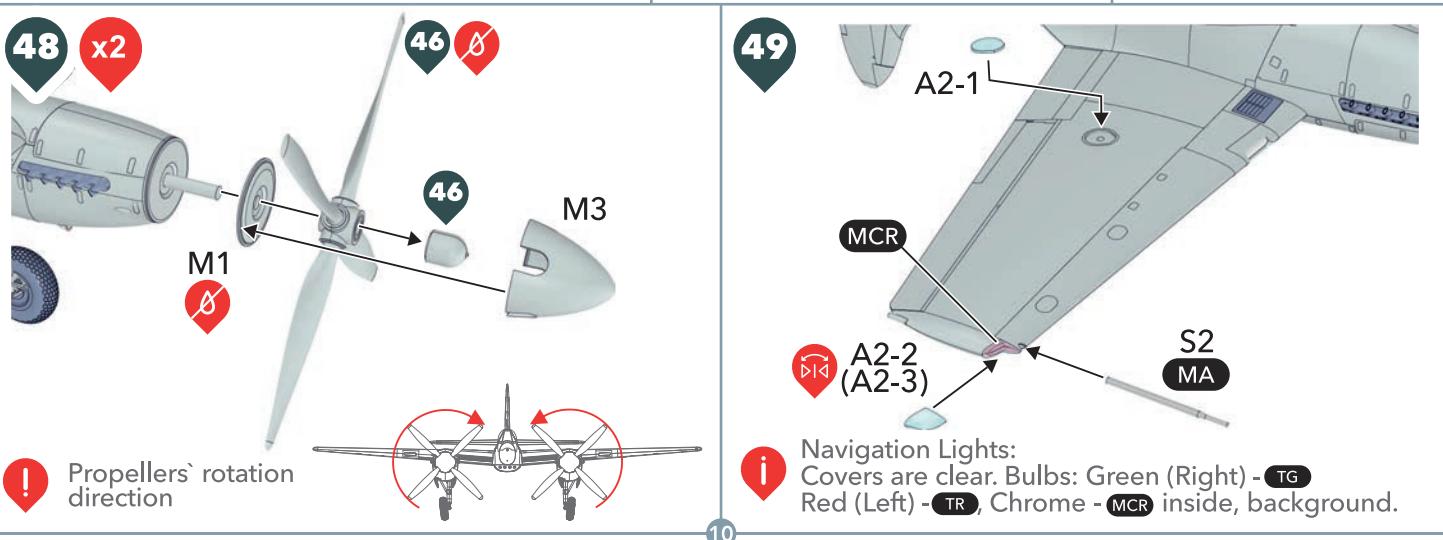
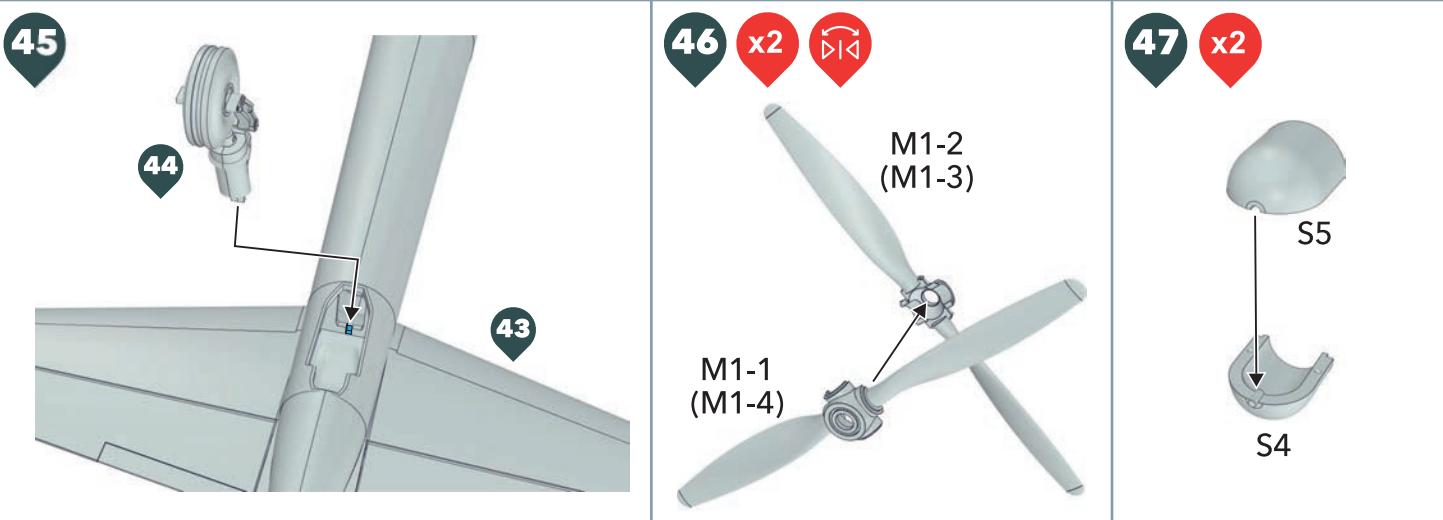
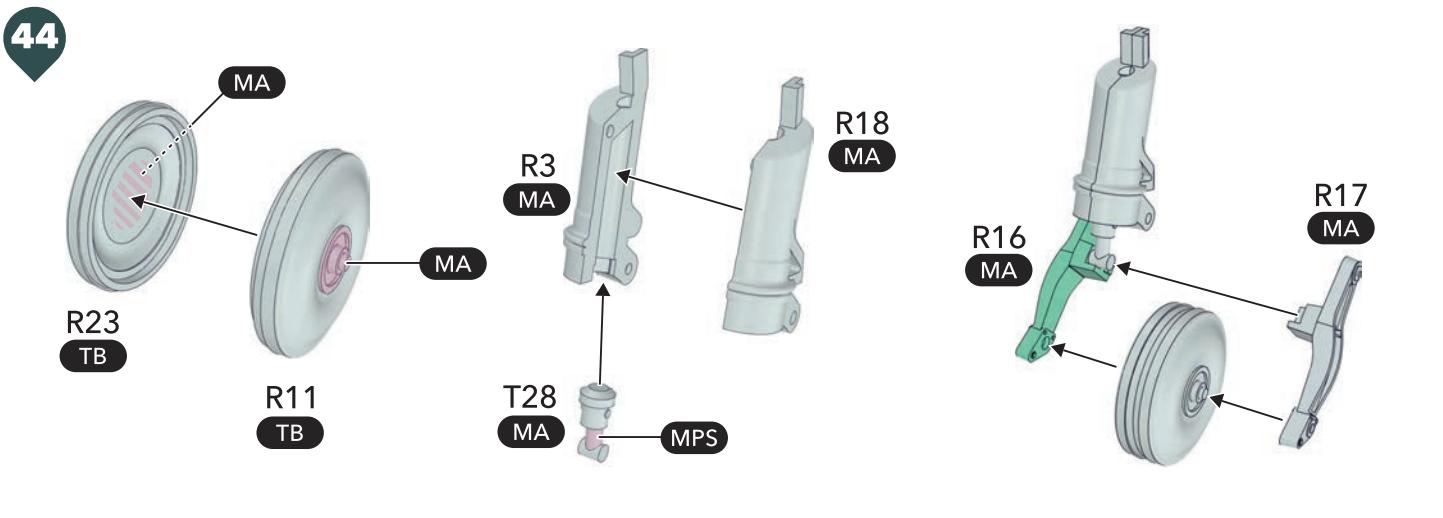
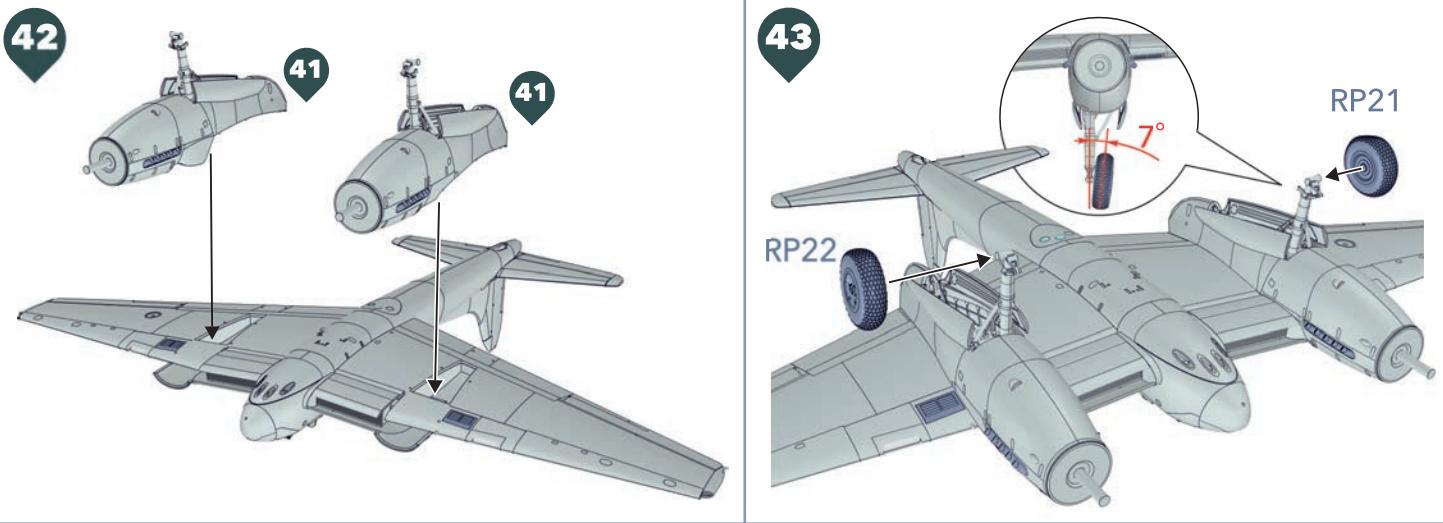




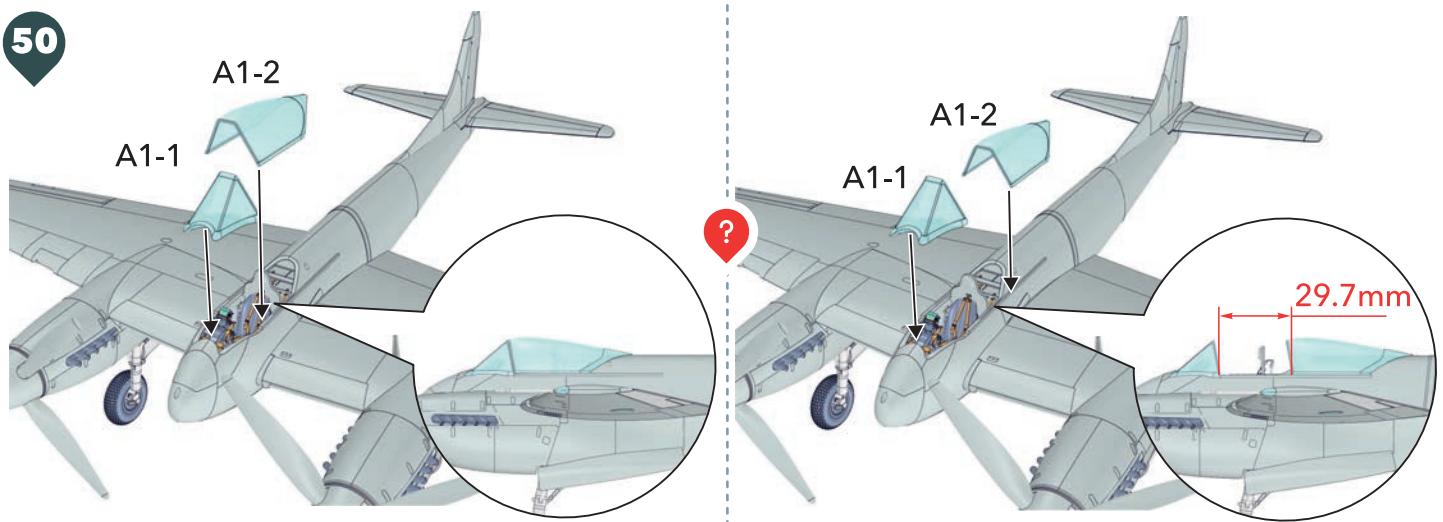
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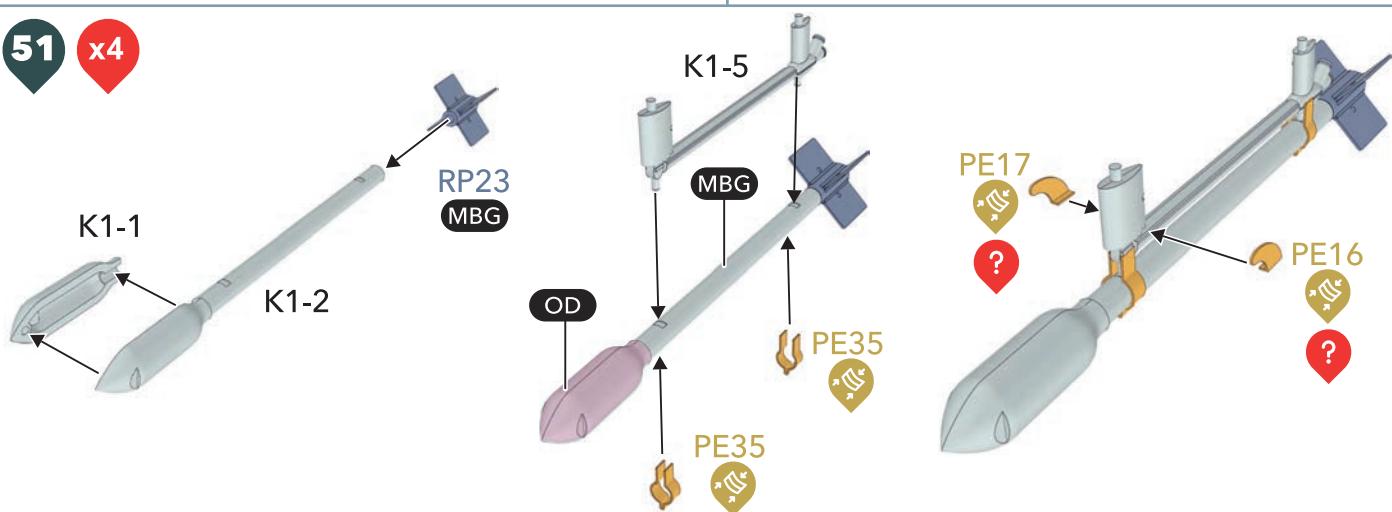




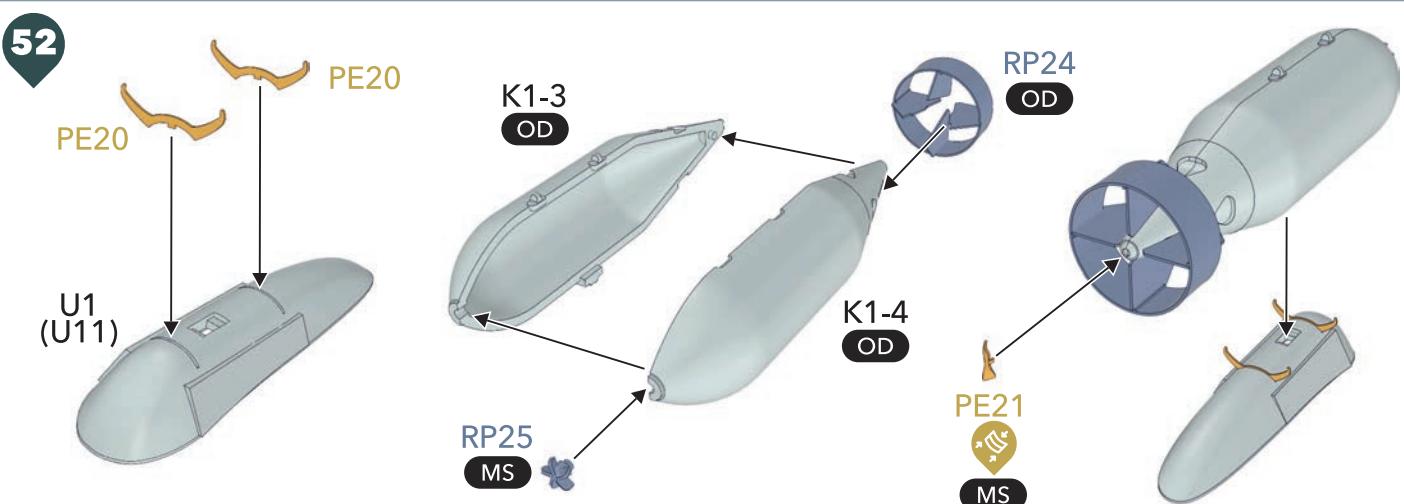
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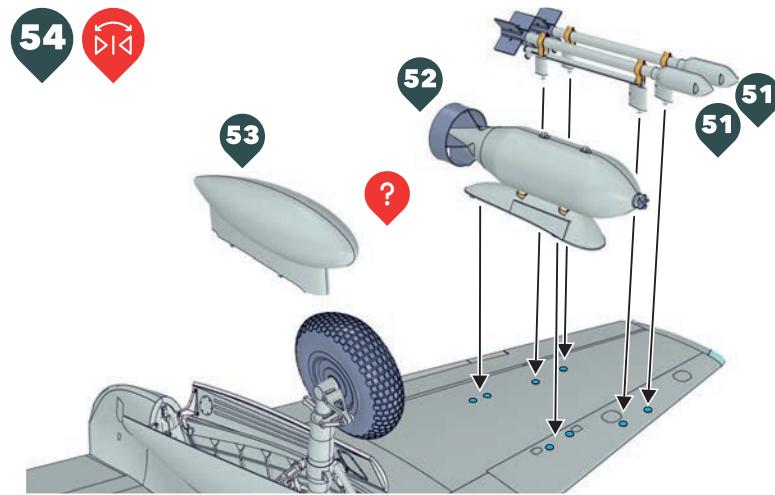
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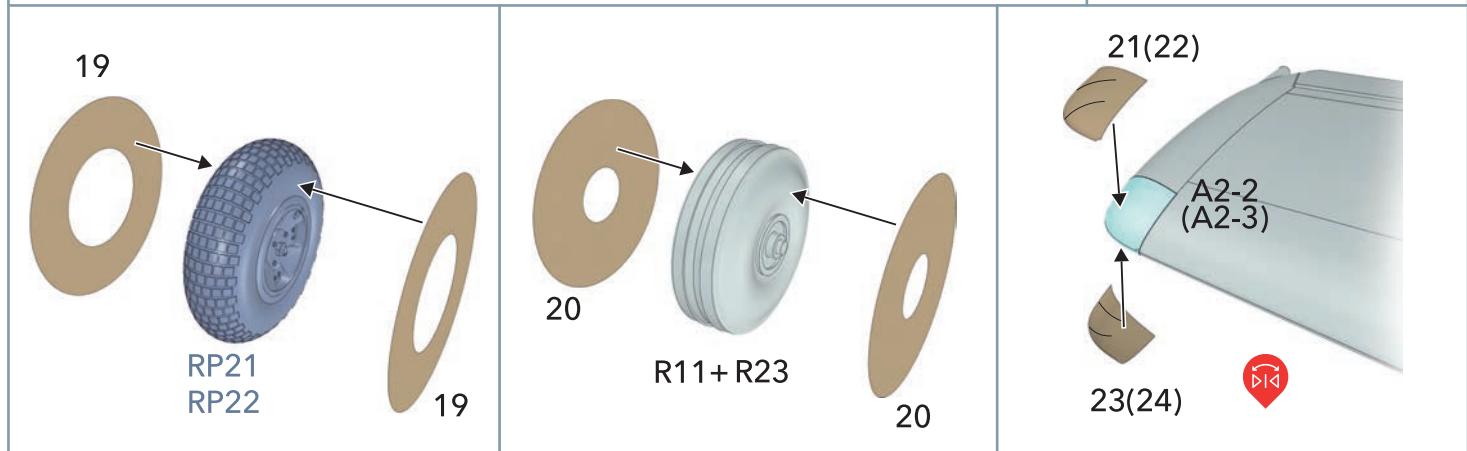
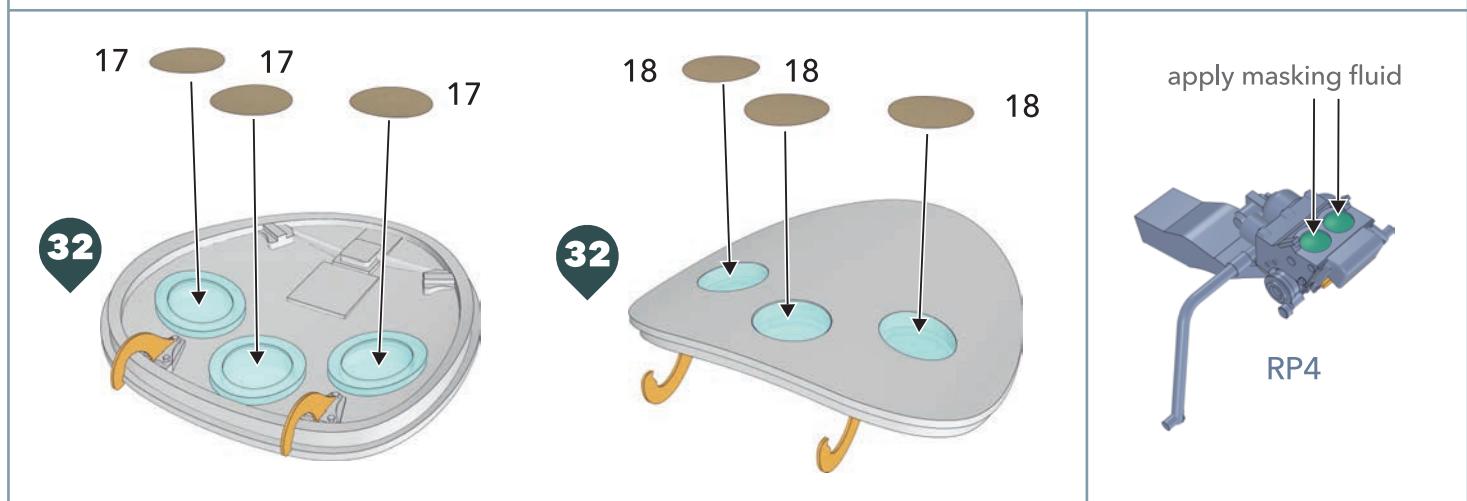
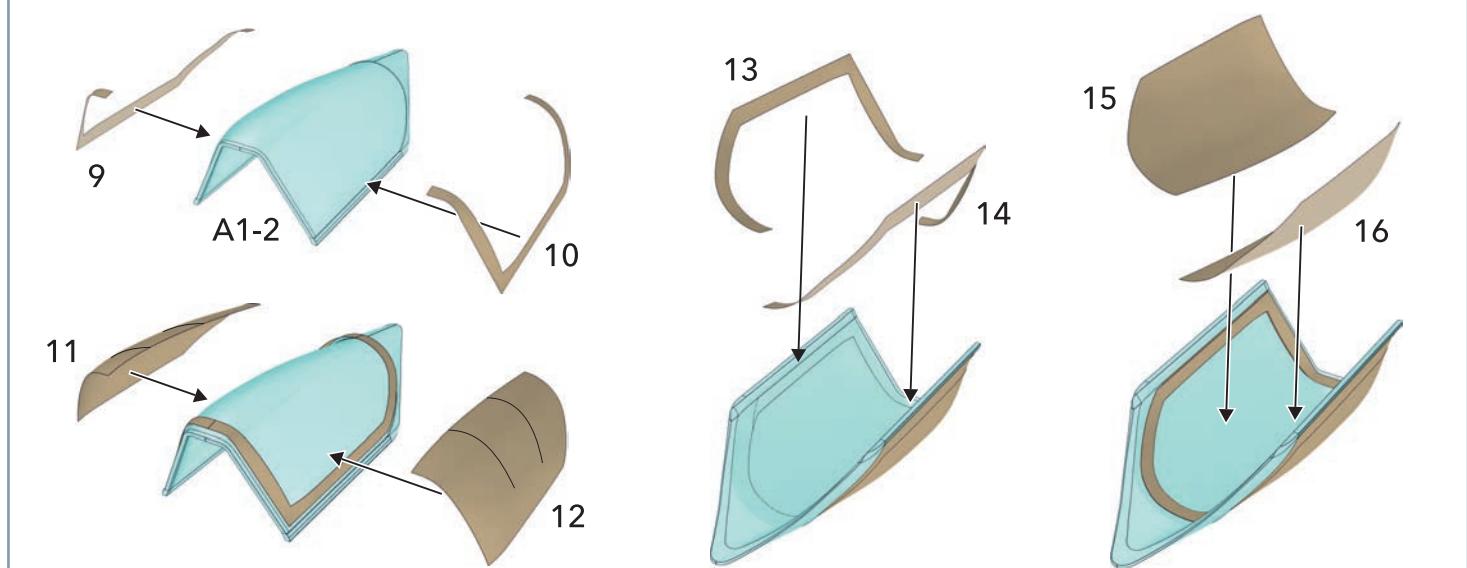
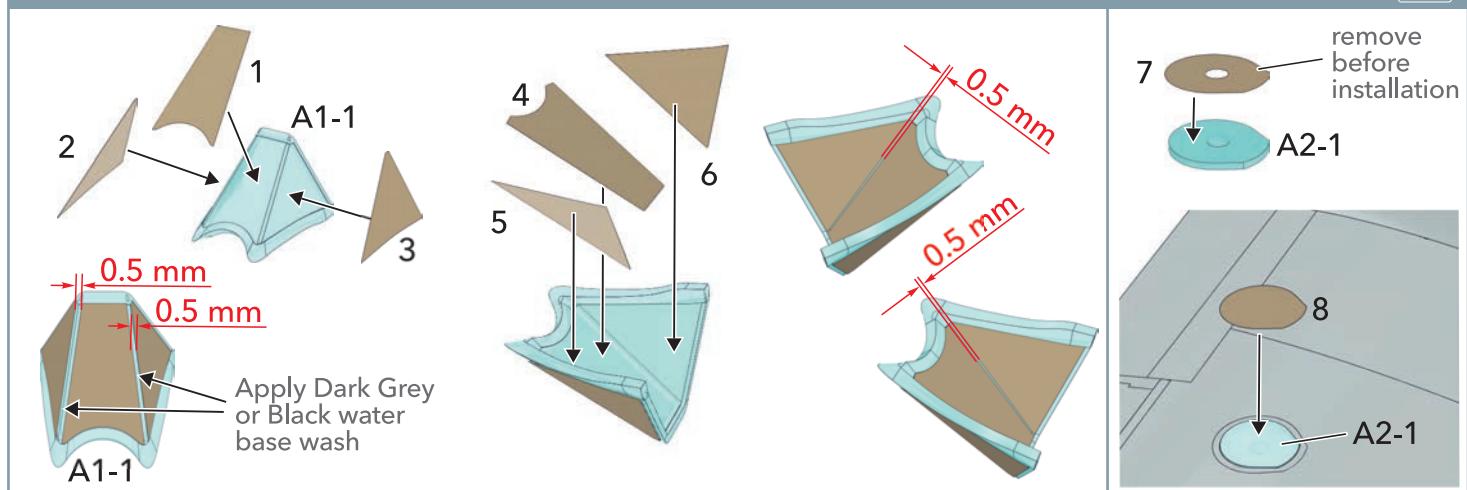
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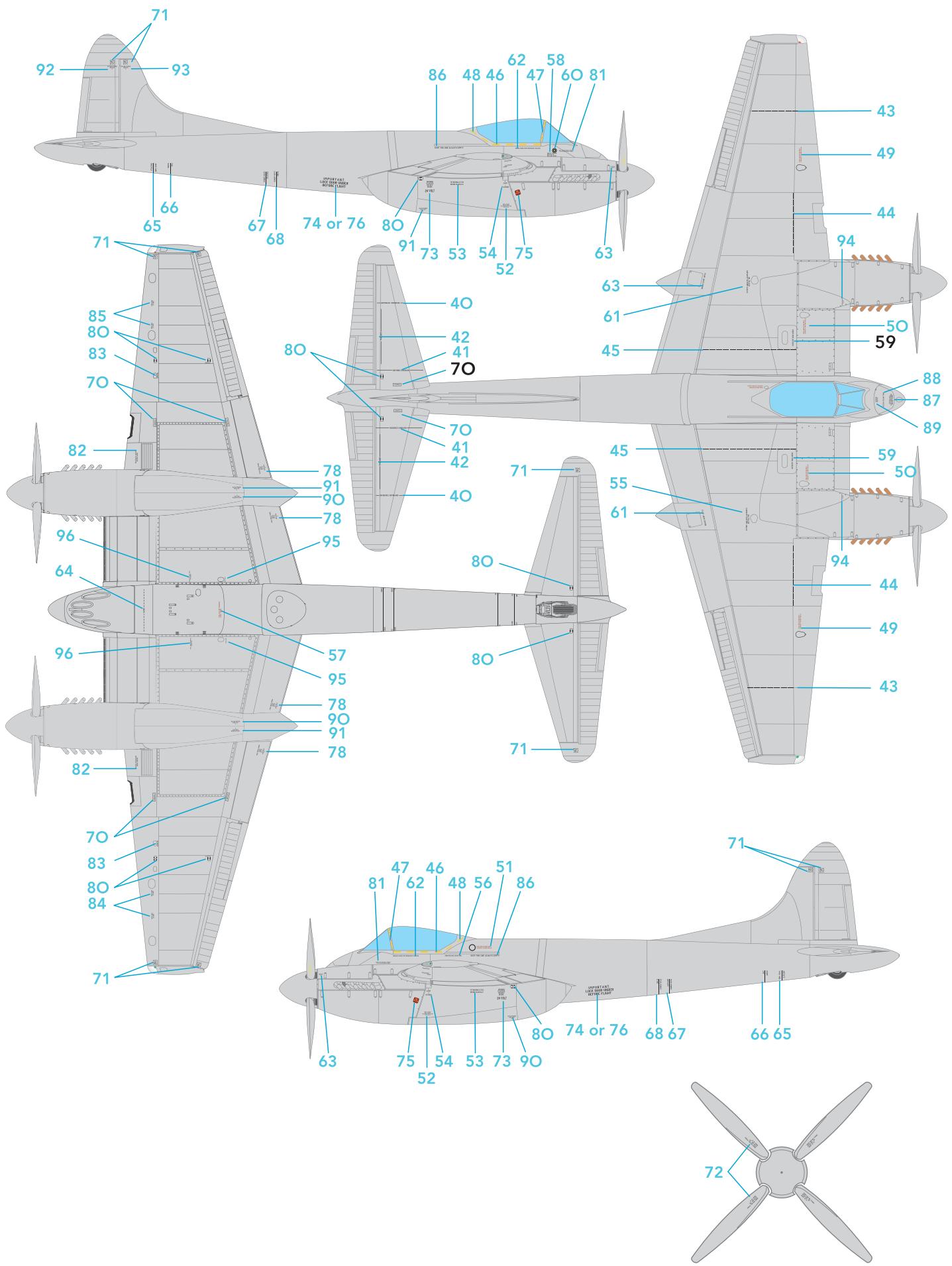
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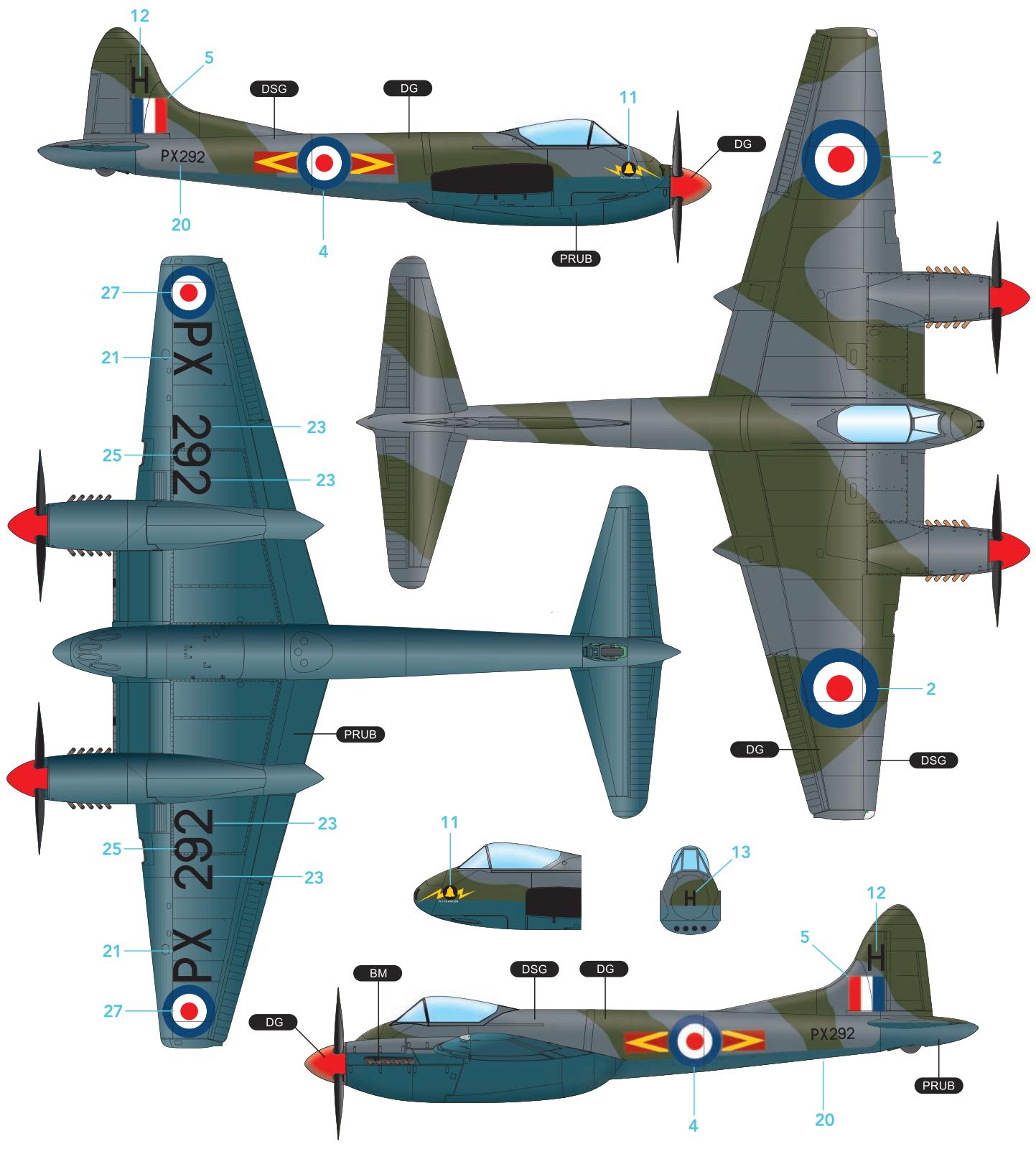


## Masking



# Stenciling

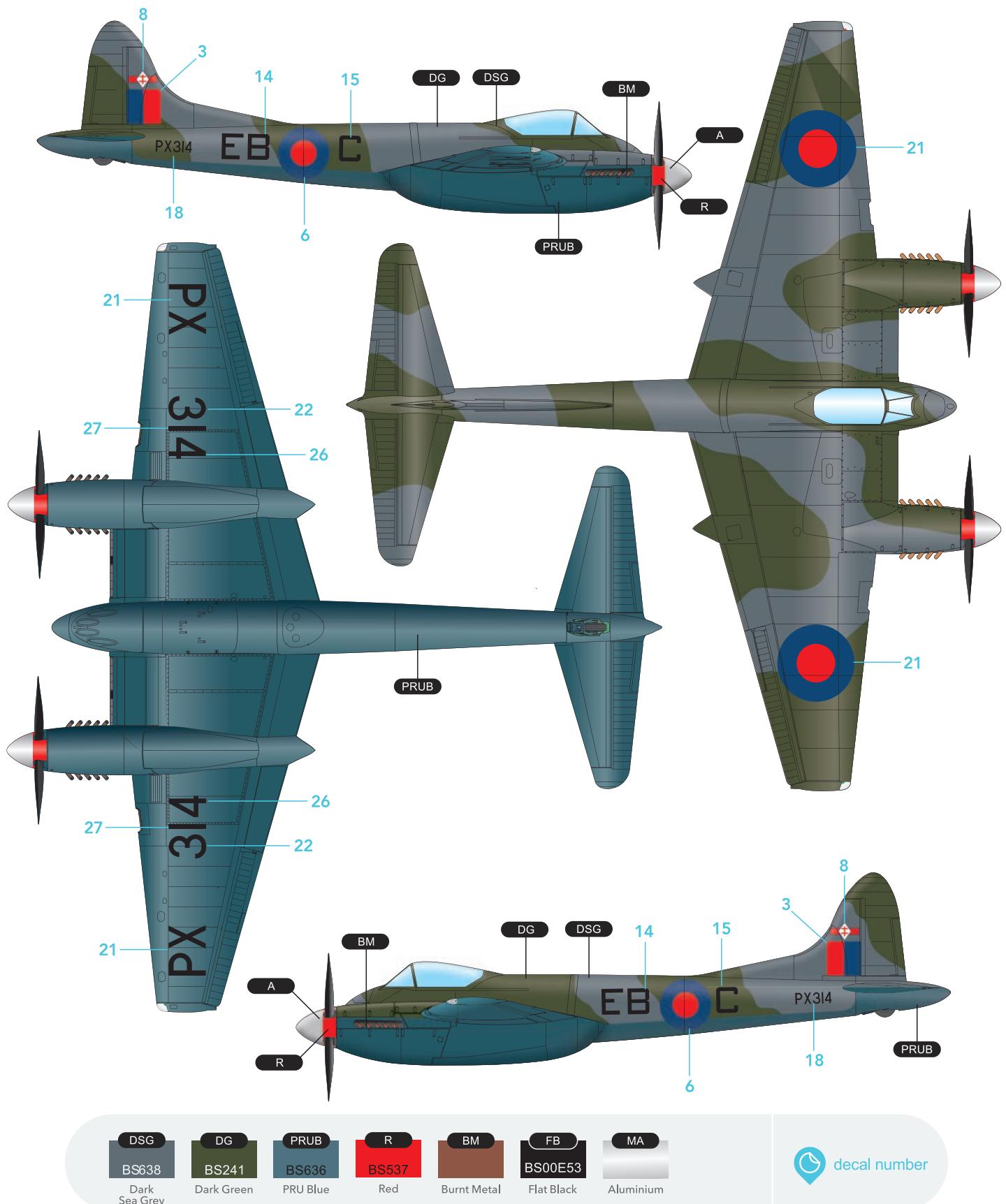




Scheme

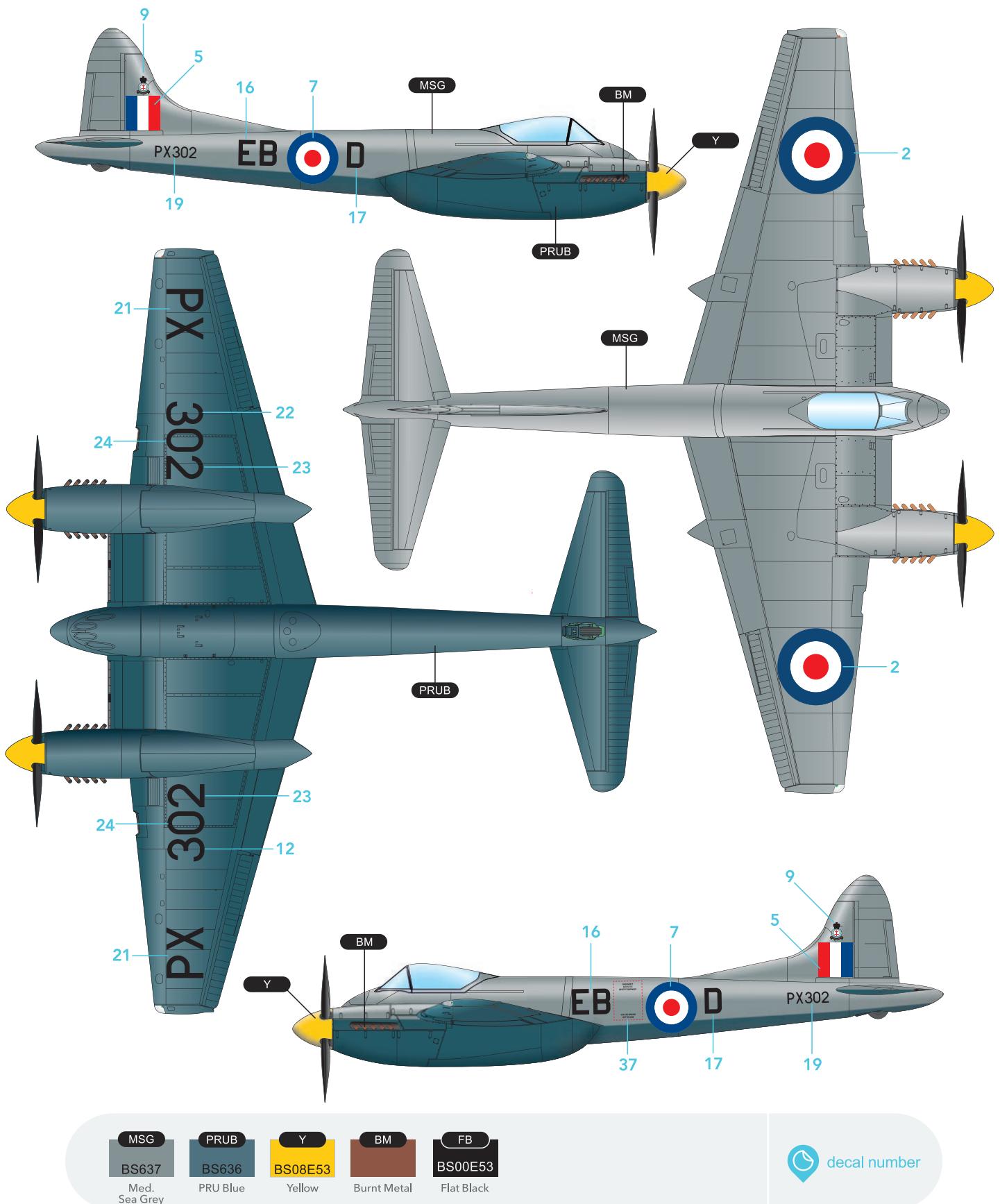
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de Havilland Hornet F.Mk3, PX292/H, operated by No 80(F) Squadron, Royal Air Force, based RAF Kai Tak, Hong Kong. 1954.



It appears that the roundels for this scheme were modified from the Type D roundel that were painted in the factory using bright ID colours.

**Scheme 2** de Havilland Hornet F.Mk3, PX314, EB-C, operated by No 41 Squadron, Royal Air Force, in 1949-50.



Scheme 3

de Havilland Hornet F.Mk3, PX302, EB-D, operated by No 41 Squadron, Royal Air Force, 1949.

## Notes & references

The de Havilland DH.103 Hornet was conceived in 1941 as a high-speed, long-range fighter tailored for operations in the Pacific Theatre. With the Mosquito entering full-rate production and jet development underway, de Havilland had design capacity to pursue a private venture. Initial concepts (DH.101 and DH.102) explored Sabre and Griffon engines, but by late 1942, the company settled on a twin Merlin-powered design—compact fast and agile.

Design-wise, the Hornet was a masterclass in aerodynamic refinement. It retained the Mosquito's wooden construction but introduced a slimmer fuselage, laminar flow wings, and tightly cowled Merlin 130/131 engines producing 2,070 hp each with propellers rotating in opposite directions. These features enabled a blistering top speed of 485 mph at 22,000 feet, probably the fastest of any piston engine service aircraft, and superb handling. Armament included four 20mm Hispano cannons and provisions for rockets or bombs up to 1,000lb, making it a potent strike platform.

Though it missed World War II combat, the Hornet entered RAF service in 1946 and saw action during the Malayan Emergency. Operating from Singapore, Hornets conducted ground-attack missions and reconnaissance, proving their worth in tropical conditions. The Sea Hornet variant, adapted for carrier use and as an all-weather fighter, served with the Fleet Air Arm.

Captain Eric "Winkle" Brown, who holds the record for most number of aircraft types flown, rated the Hornet as his favourite and praised its performance: "The Hornet was a pilot's aeroplane par excellence. It had delightful handling characteristics and was incredibly fast for a piston-engined aircraft." He further remarked, "Its acceleration was phenomenal, and it could out-turn most contemporary fighters with ease."

Despite its brief service life, the Hornet represented the zenith of propeller-driven fighter design—an elegant, lethal machine that bridged the gap between wartime innovation and the jet age.



### Web links



<https://www.britmodeller.com/>



<https://heritage.baesystems.com/page/de-havilland-dh-103-hornet>



<https://abpic.co.uk/pictures/model/De%20Havilland%20DH.103%20Hornet%20F3>



### Bibliography

Airframe Album Number 8. The de Havilland Hornet and Sea Hornet. A detailed guide to the RAF and FAA's last twin-engine fighter Richard A. Franks  
Valiant Wings Publishing, 2015  
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#### The Hornet File

Lewis G. Cooper  
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ISBN 0-85130-202-5

DH Hornet and Sea Hornet. de Havilland's ultimate piston-engined fighter  
Tony Buttler, David Collins and Martin Derry  
Dalrymple & Verdun Publishing, 2010  
ISBN 978-1-905414-12-3

de Havilland Hornet and Sea Hornet  
Warpaint Series No.19  
Tony Buttler AMRAeS,  
Hall Park Books Ltd., 2001  
ISSN 1363-0369



### Appreciations

It is safe to say that this model kit would not be possible without following gentlemen:

- Arthur Bentley, the design of this kit was based on Arthur's CAD model.
- David Collins, who has been exceptionally helpful in providing material, answering questions and carrying out primary research – we could not have expected a quarter of the help that he has given.



### Personal notes

## About DBMK

DBMK is a company founded by modelers for modelers. We were frustrated that certain subjects had never been covered accurately or at all and we want to change that.

Modern technology, particularly LiDAR scanning, allows for shapes to be accurately captured, really for the first time. The internet has allowed us to undertake research as well as build 'coalitions of the willing' that help us understand the subjects that we are looking to create.

More details on this and other DB Model Kits' projects can be found at [www.dbmk.co.uk](http://www.dbmk.co.uk) .

We hope that you come on the journey with us. Accuracy is the Priority!

## Customer Support

If you have any comments about our kits or need help with your purchase please contact us at [enquiries@dbmk.co.uk](mailto:enquiries@dbmk.co.uk)

We hope that you enjoy building our Hornet!



### Proprietors:

Mr Will Packard, Mr Ilya Sobolev  
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