



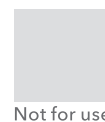
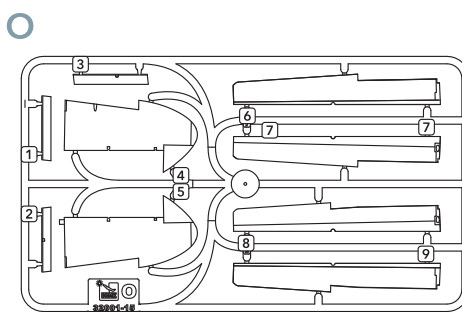
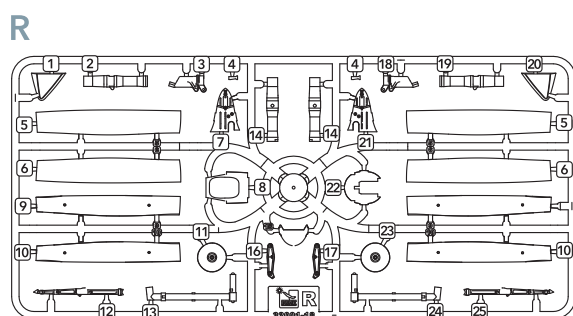
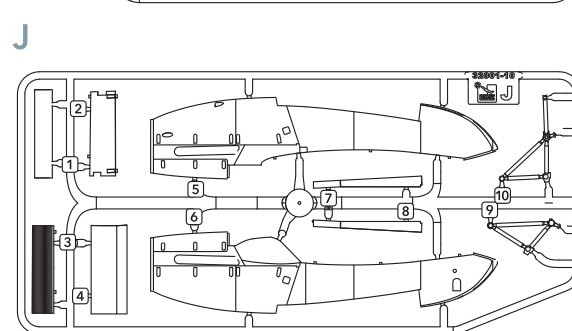
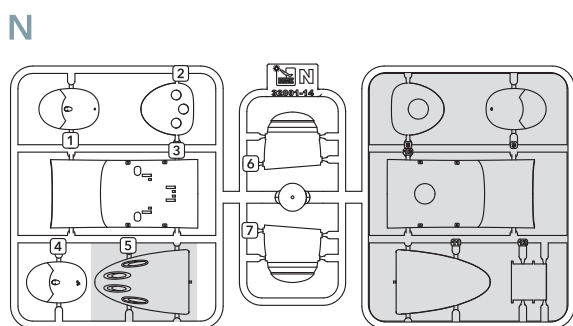
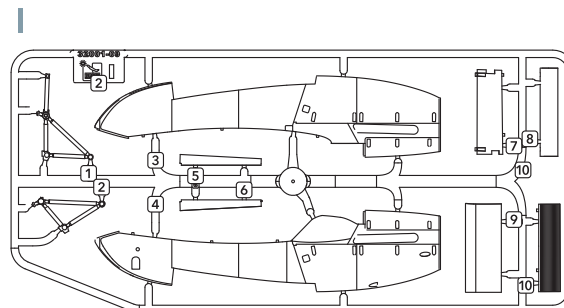
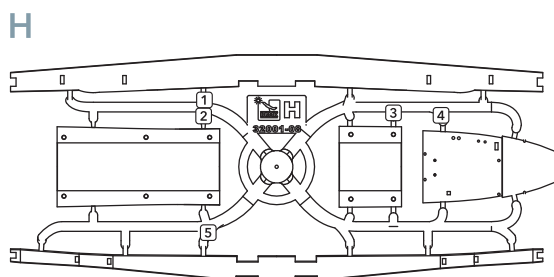
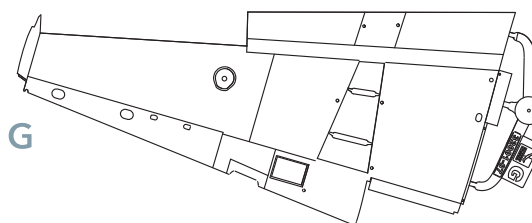
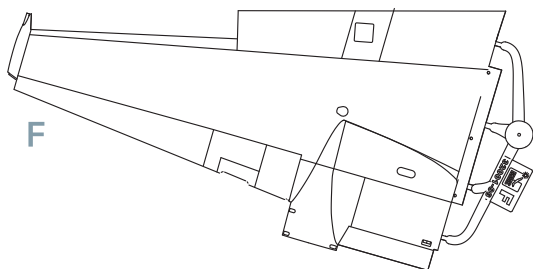
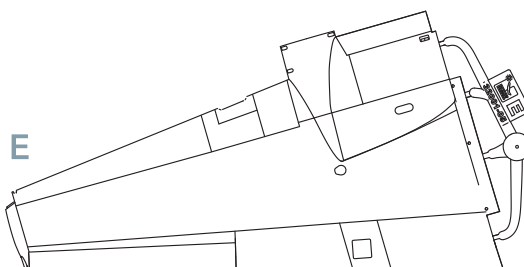
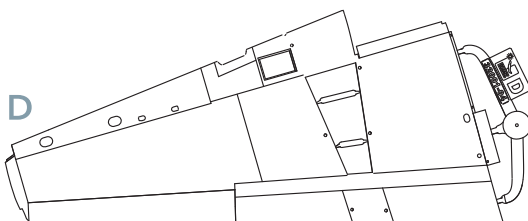
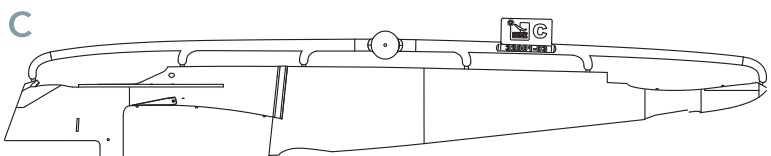
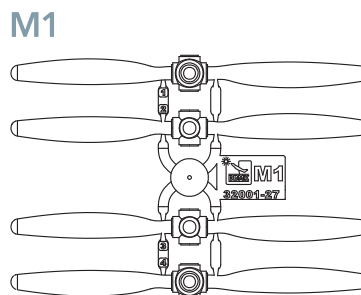
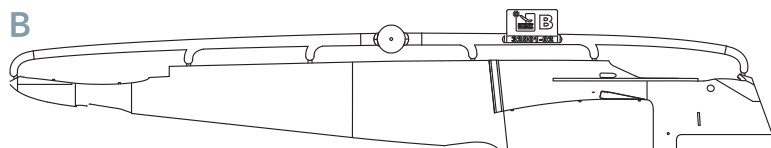
instruction manual

DBMK 32-001

1:32

DH.103 Hornet F.Mk 3

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

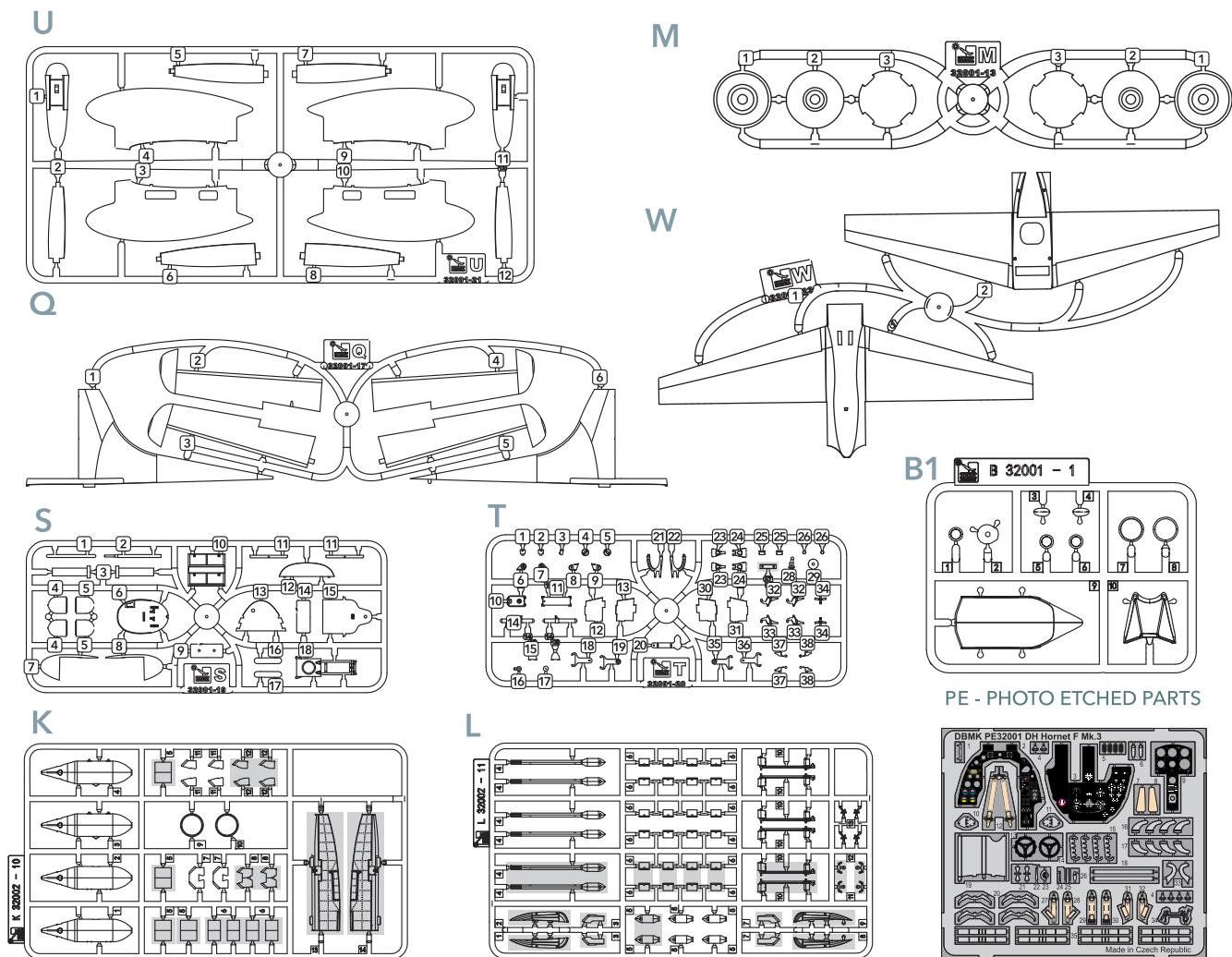
x
remove

repeat
symmetrically

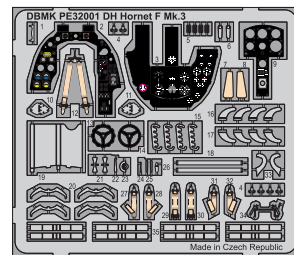
scratch
build

i
info

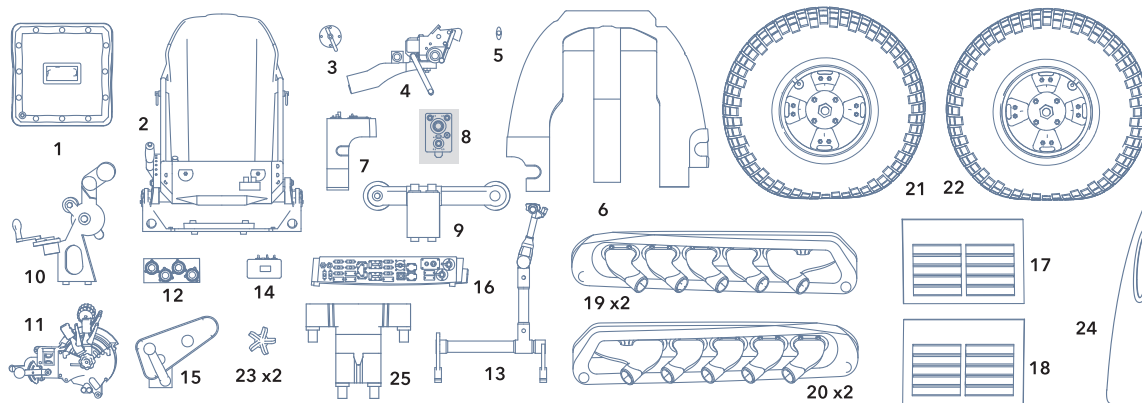
Parts layout



PE - PHOTO ETCHED PARTS



RP - 3D PRINTED PARTS



METAL ROD

x2
Brass / Steel 0.6mm dia
and 13 mm long

Colour Chart

Paint code	BS (British Standard) code	Name
MA		Aluminium
BM		Burned Metal
TG		Transparent Green
TR		Transparent Red
TO		Transparent Orange
TB		Tyre Black
FB	BS00E53	Flat Black
OD	BS298	Olive Drab
MBG	BS226	Md.Brunsw.Green

Paint code BS (British Standard) code Name

DG	BS241	Dark Green
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

FILM PARTS



! This kit is a limited run low pressure moulding so care is needed during assembly. All parts should be test fitted extensively, mating surfaces should be flat with no ridges, locating tabs will need to be checked to see that they fit into the corresponding recesses.

1

PE12
PE31
PE32

2

PE10+PE30
PE10
PE30
PE27
PE8

3

PE29
PE11
PE28
PE7
PE11 + PE29

4

RP1 FB
RP2 FB

5

1
2
3
4
RP3 FB
T10 FB
Correct Harness Position

6

AF1
PE1
RP4 FB
AF2
PE34
PE24
PE23
RP4 FB
RP5 FB

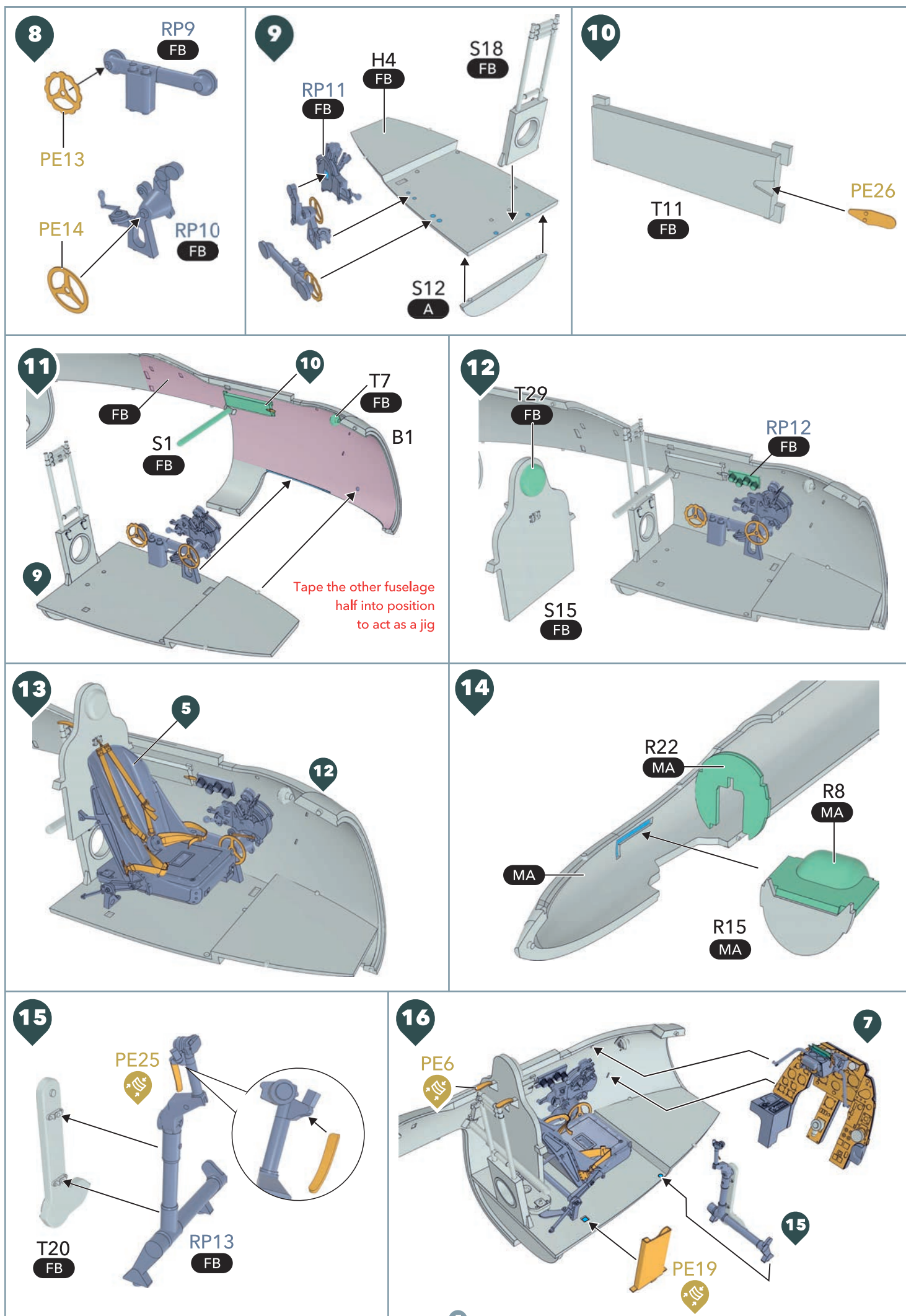
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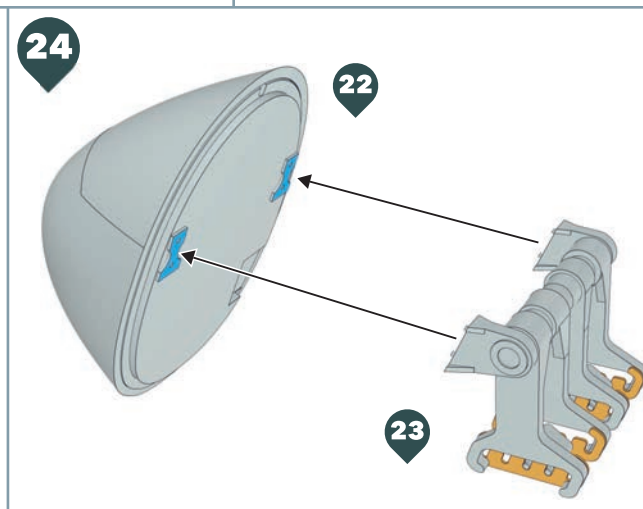
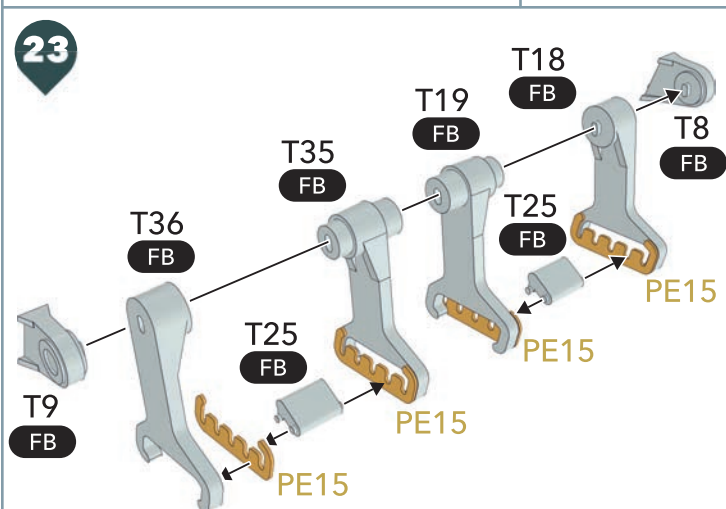
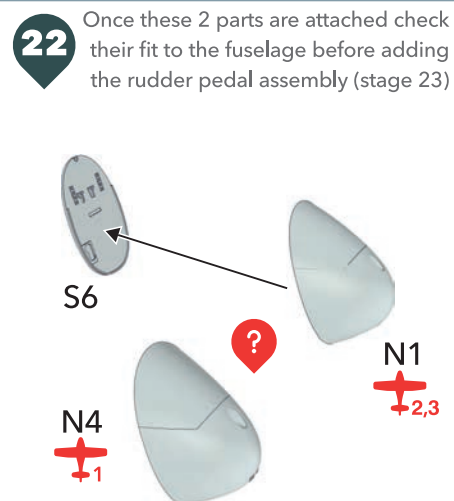
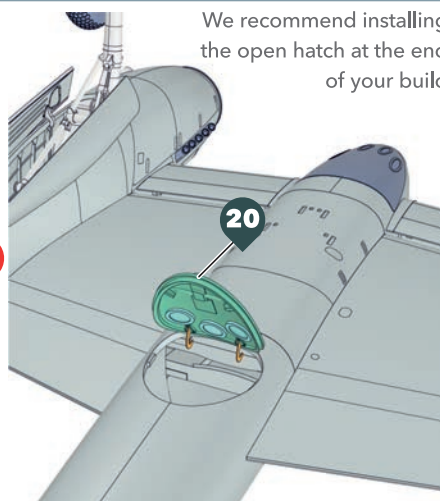
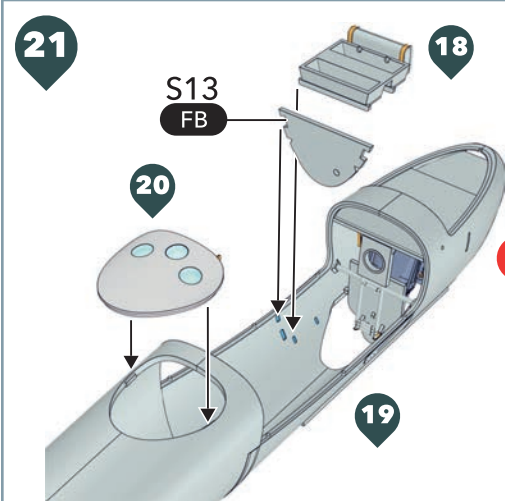
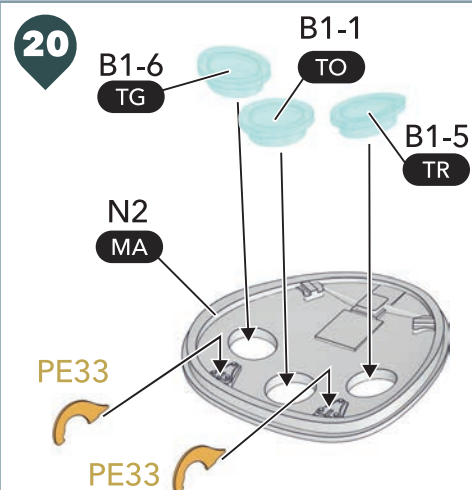
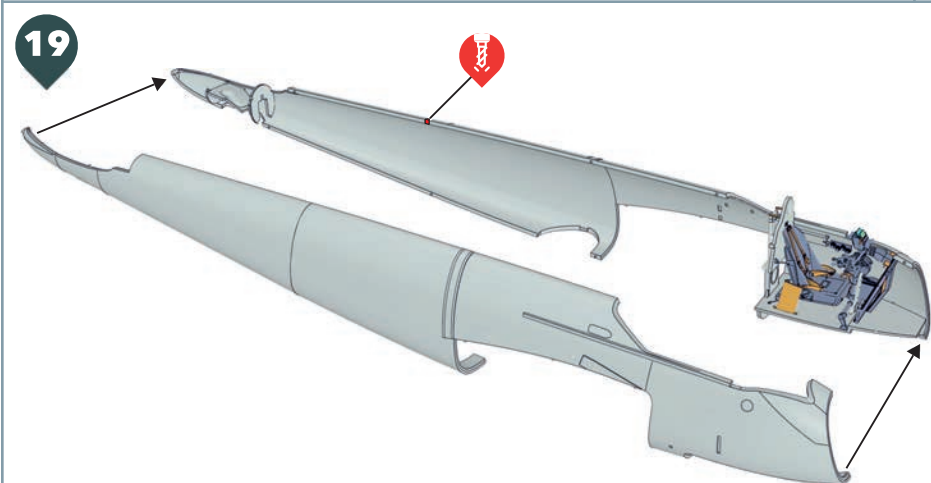
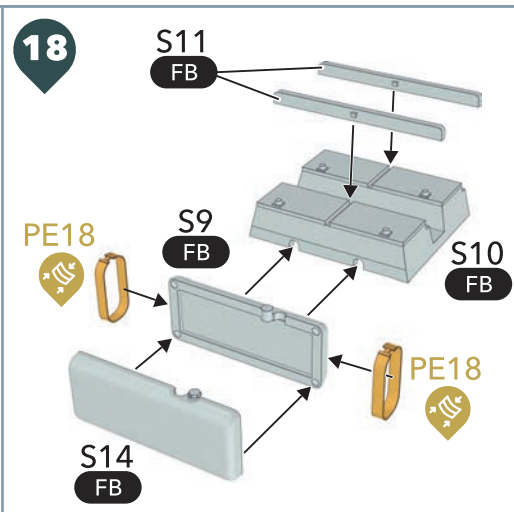
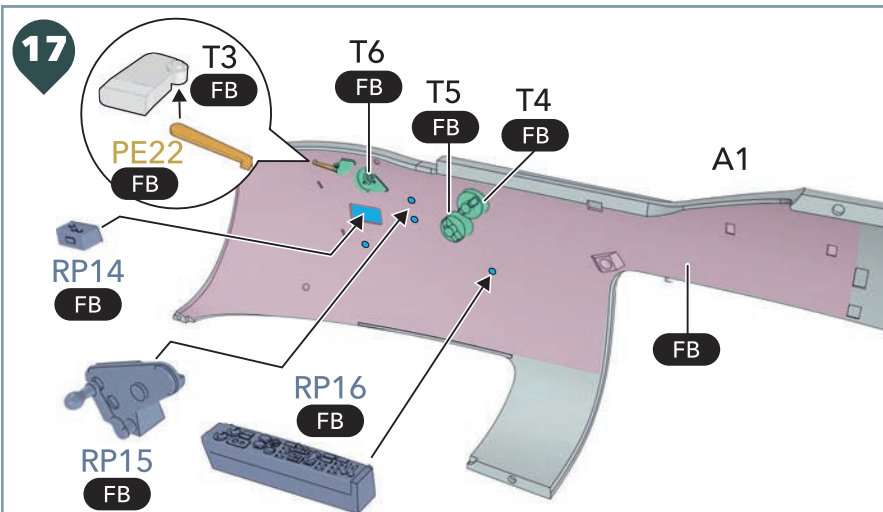
RP7 FB
RP6 FB
PE9
PE2
PE3
T26 FB
T16 FB
T17 FB
6

Alignment should be done on the inner edges of RP6 and PE3

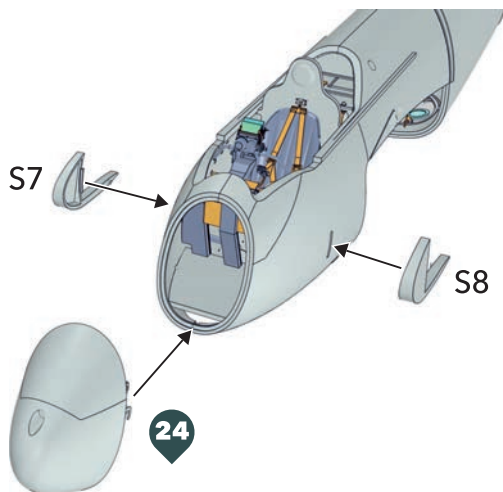
After connecting the PE3 RP6, the sides of the PE3 must be filed down to match RP6.

To mount the sight in the subsequent assembly stages, drill holes in the IP and the sight so that it can be secured with a pin

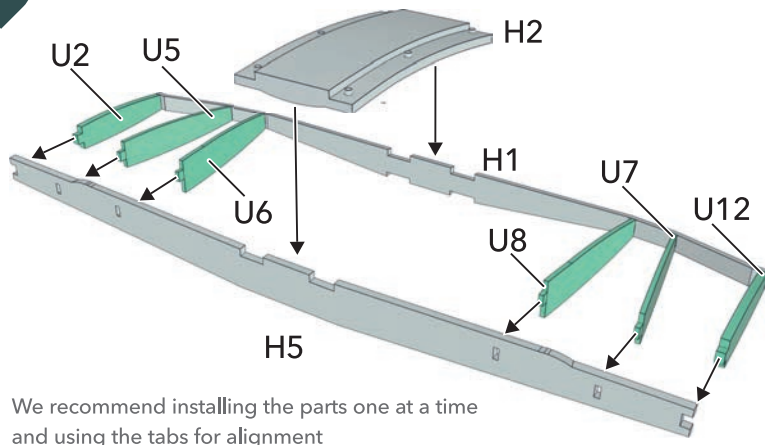




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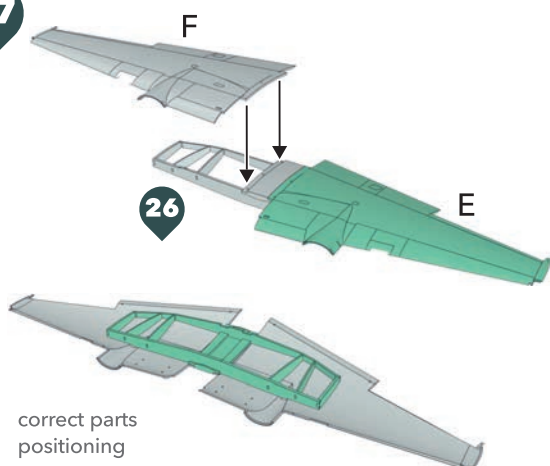


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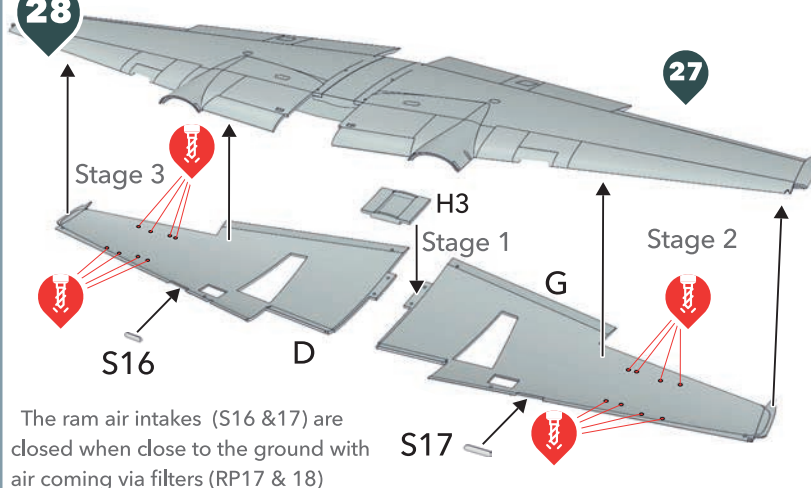
We recommend installing the parts one at a time and using the tabs for alignment

27



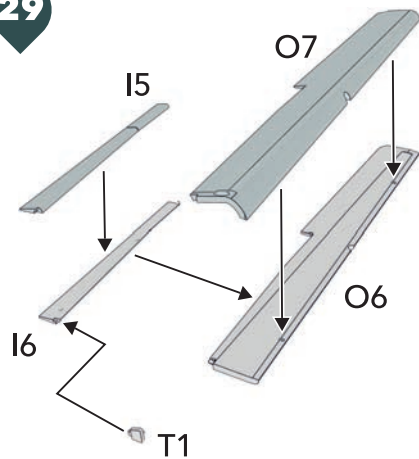
correct parts positioning

28

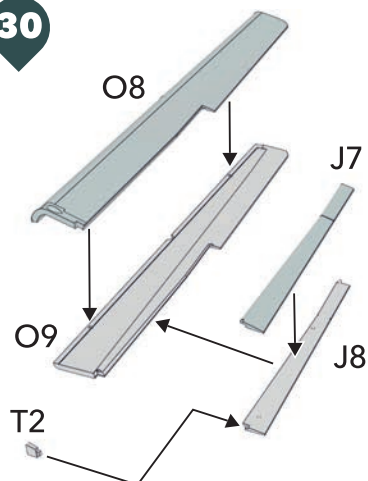


The ram air intakes (S16 & 17) are closed when close to the ground with air coming via filters (RP17 & 18)

29

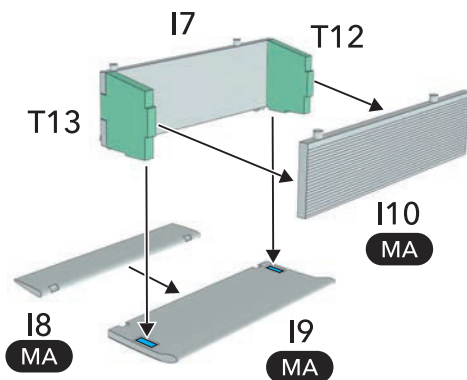


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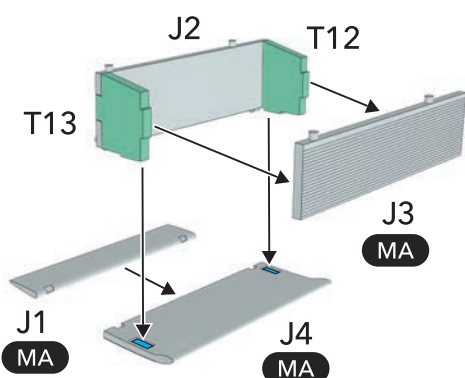
31

For the left wing

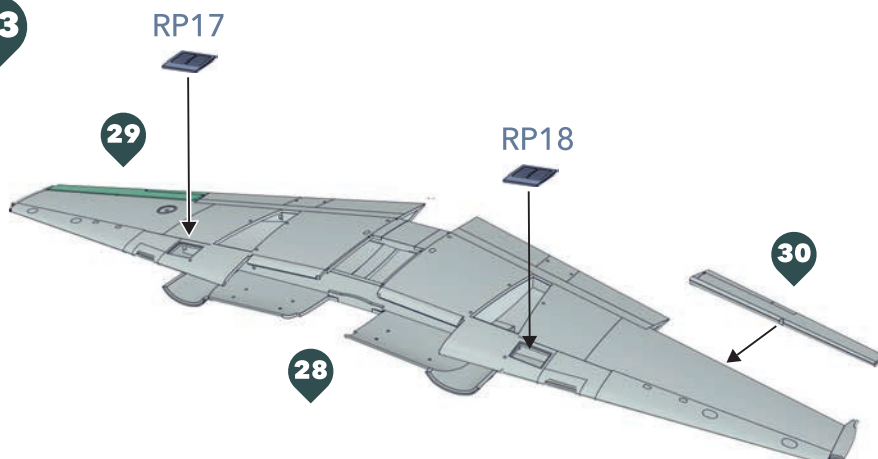


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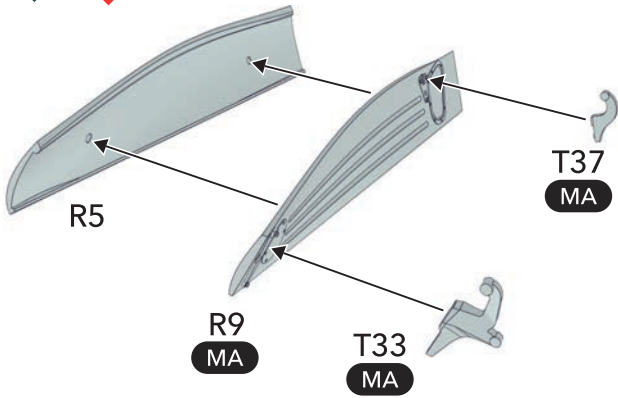
For the right wing



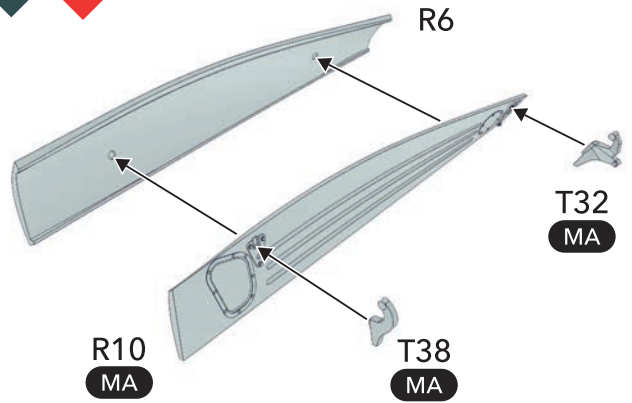
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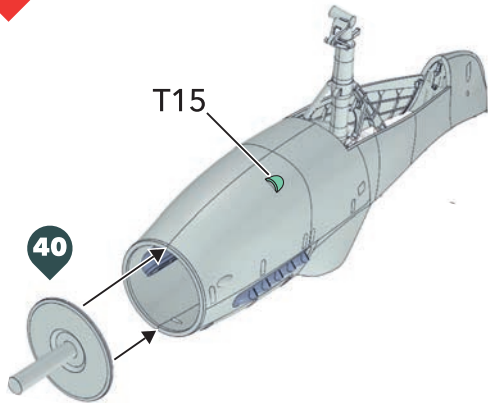
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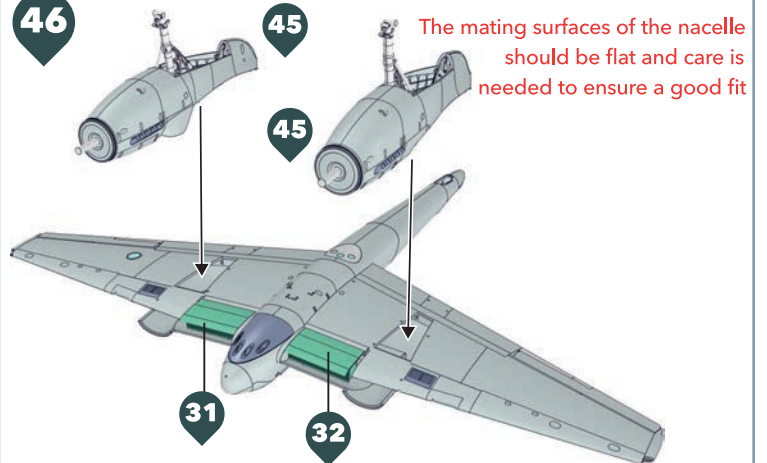
44 x2



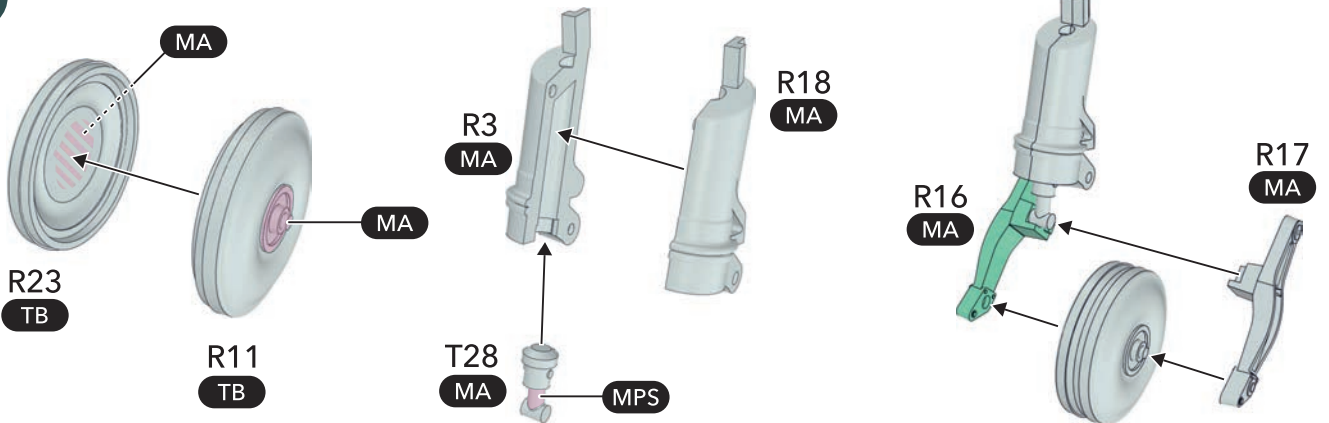
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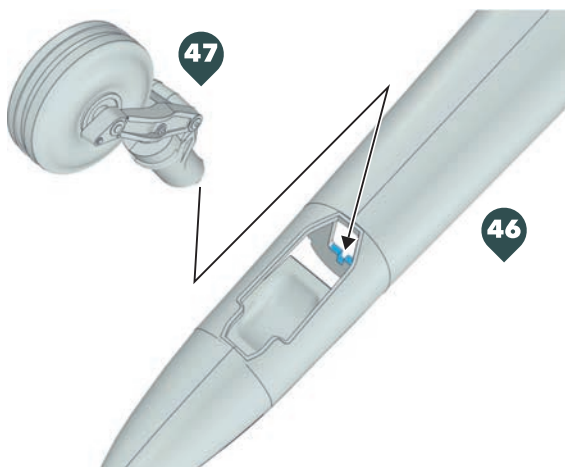
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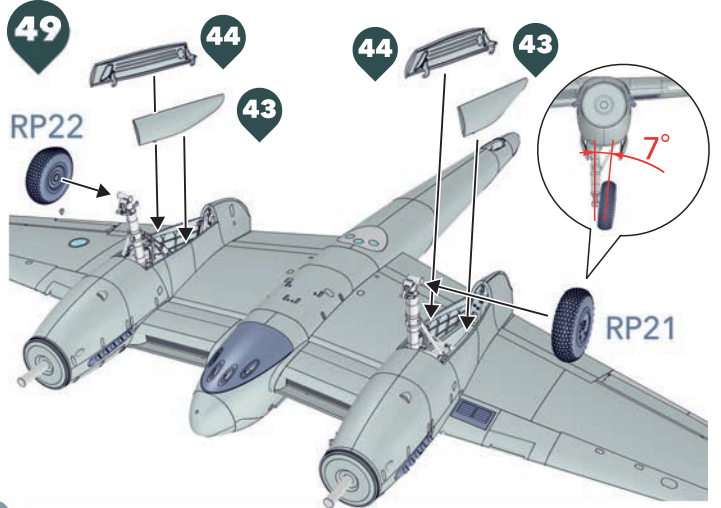
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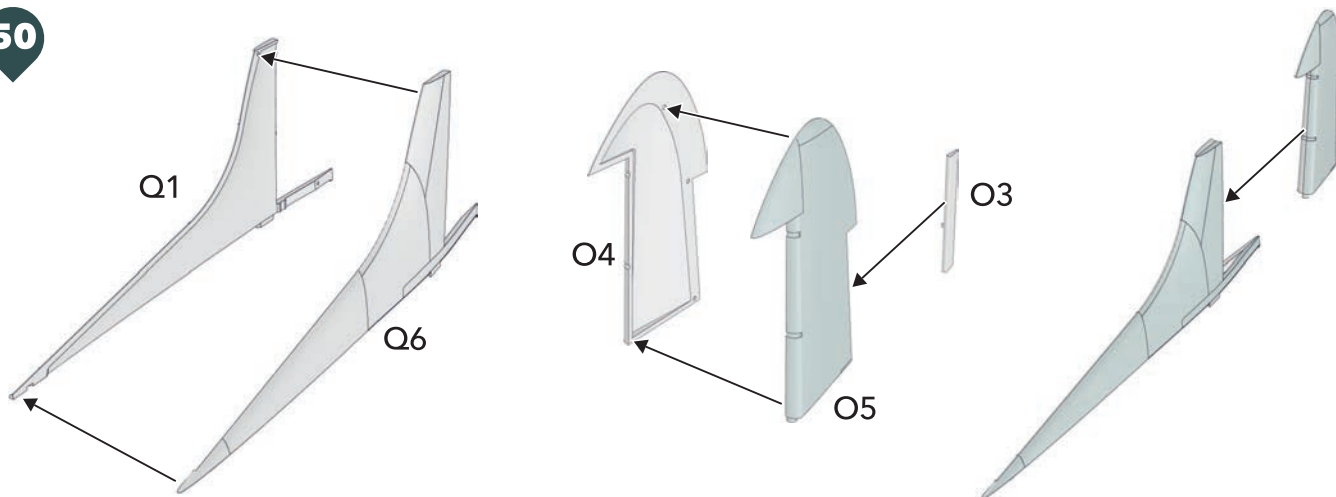
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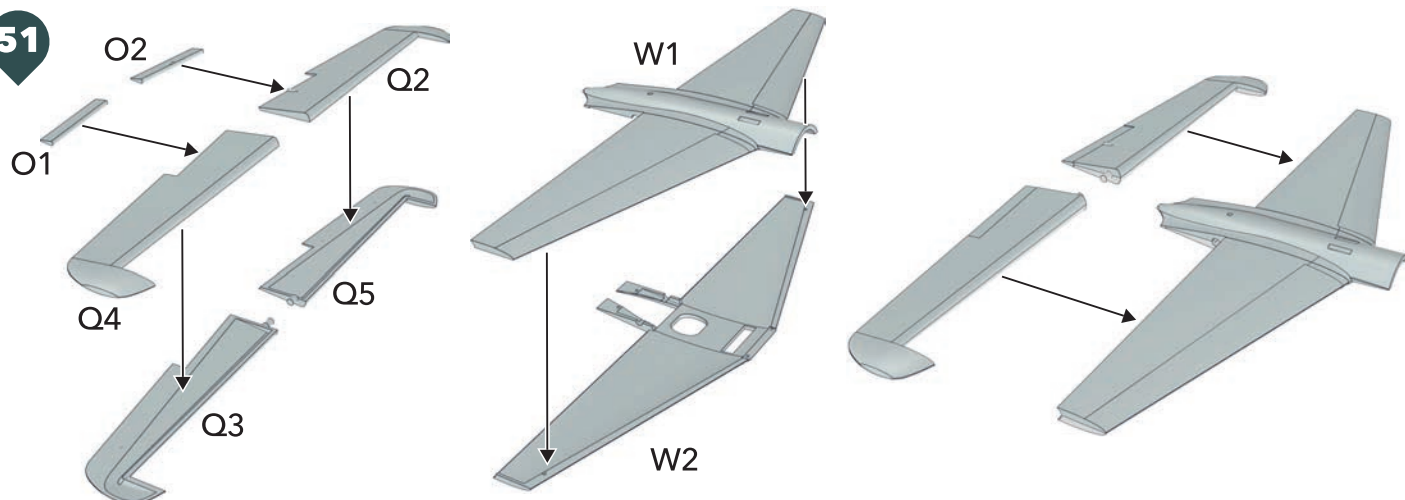
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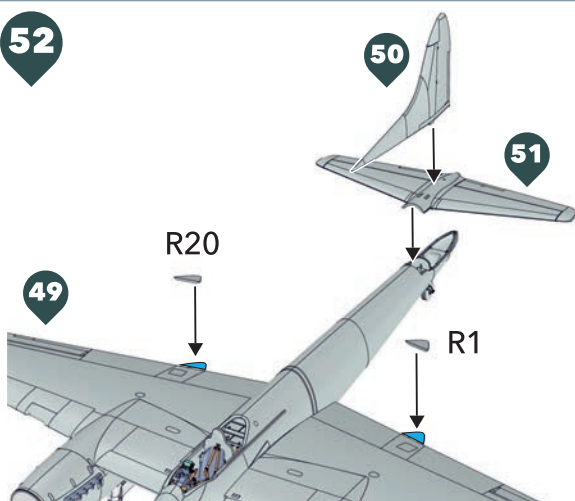
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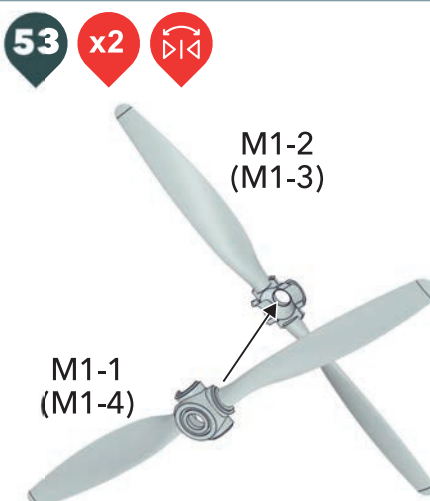
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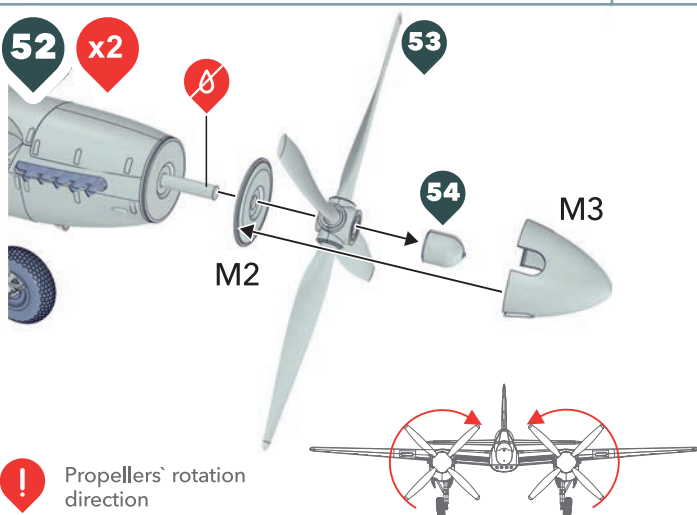
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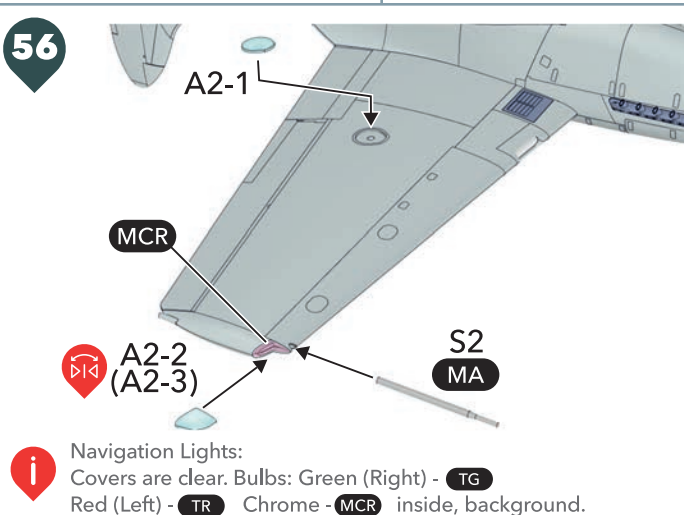
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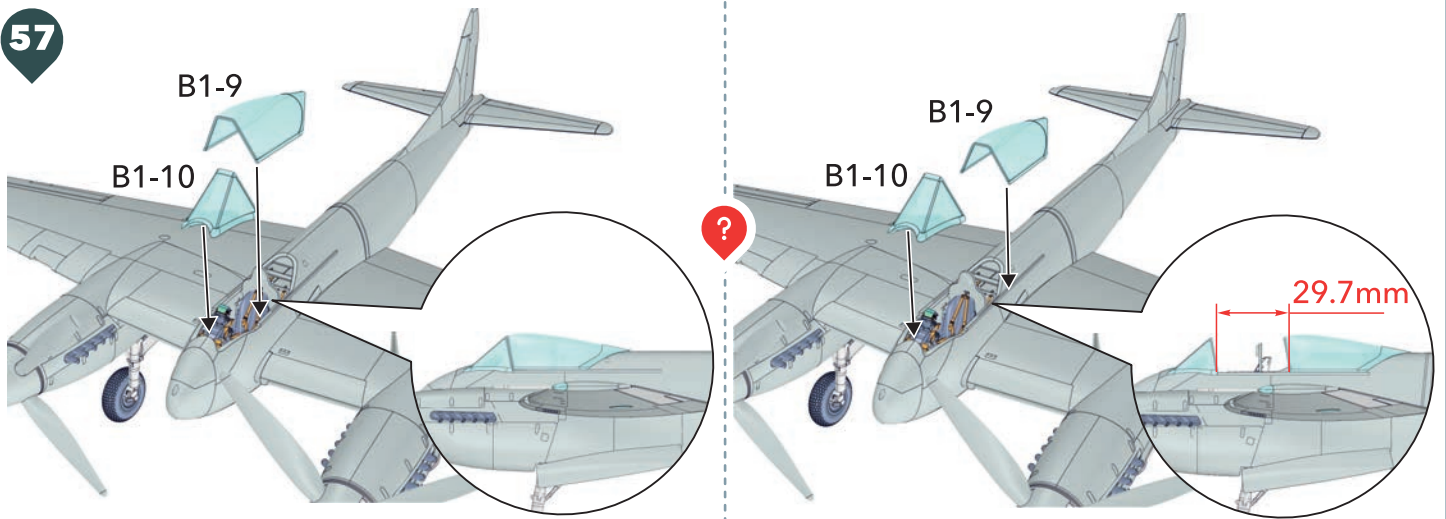
56



Propellers' rotation direction

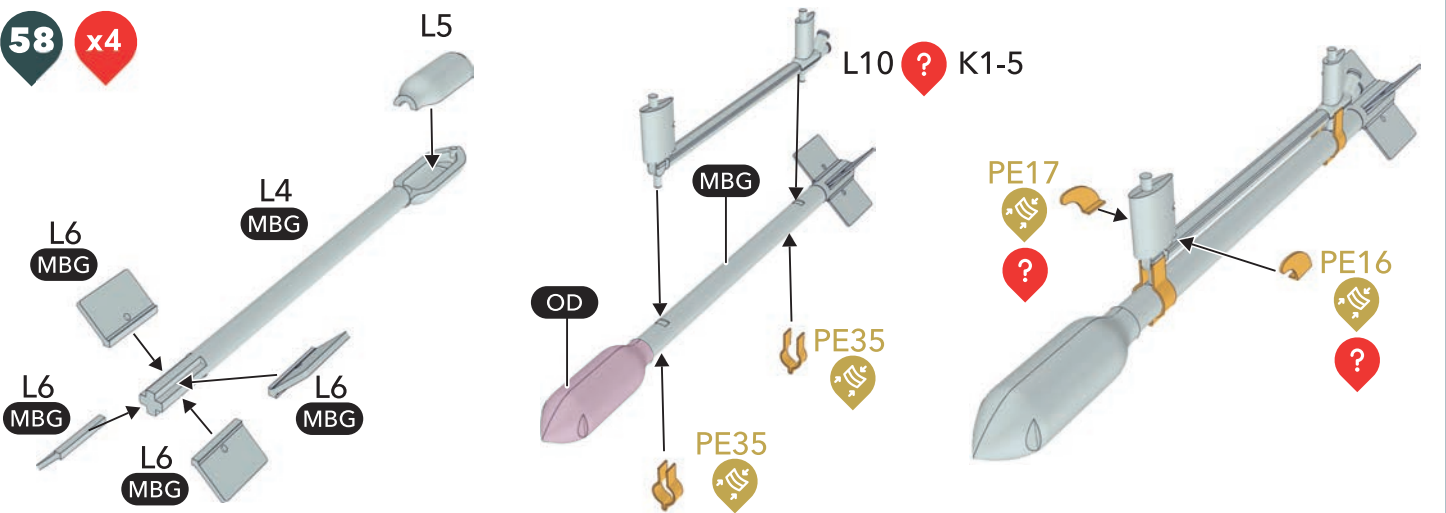
Navigation Lights:
Covers are clear. Bulbs: Green (Right) - TG
Red (Left) - TR Chrome - MCR inside, background.

57



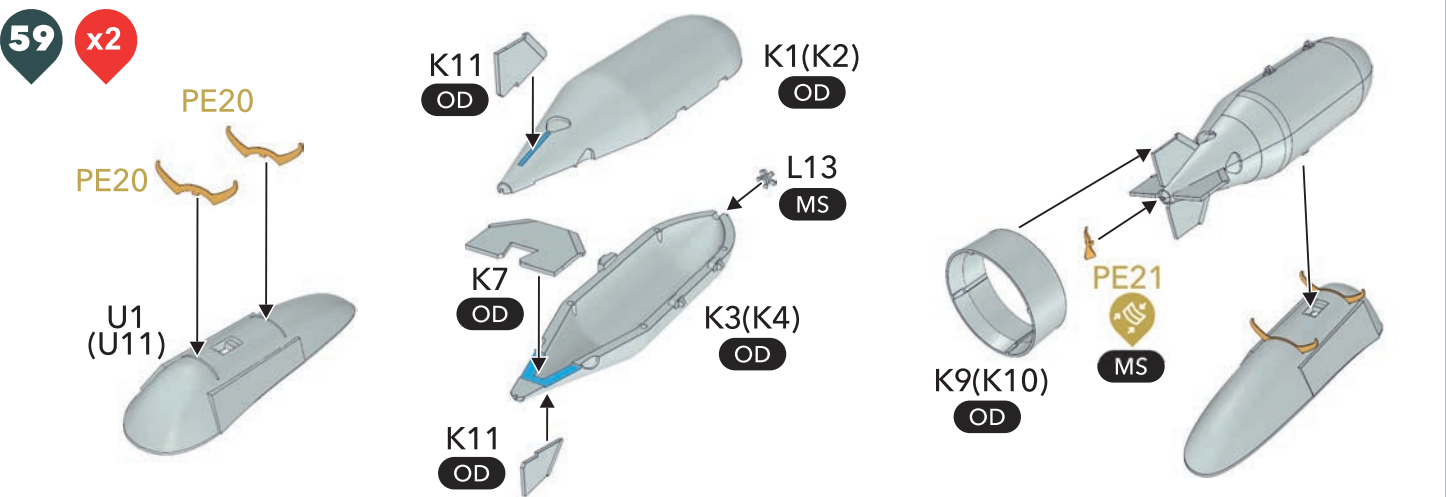
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x4



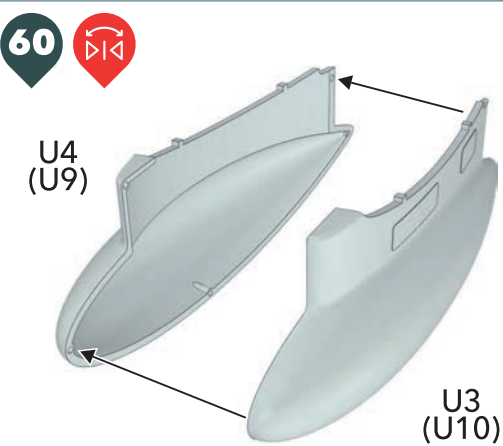
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x2



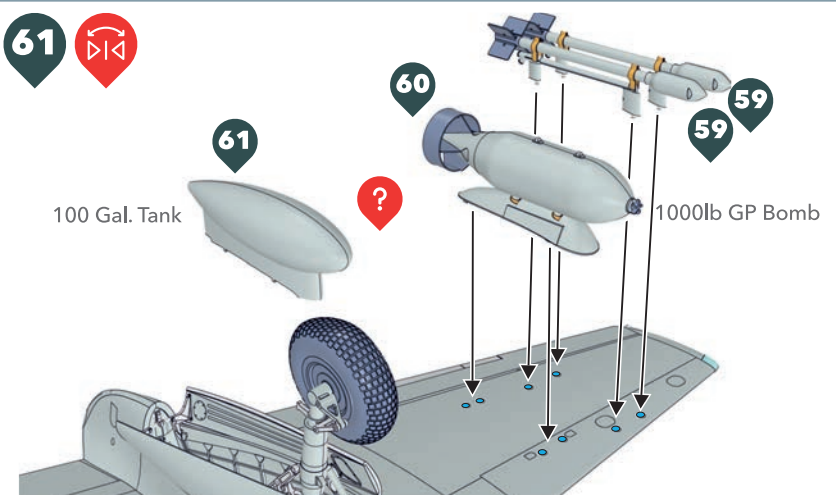
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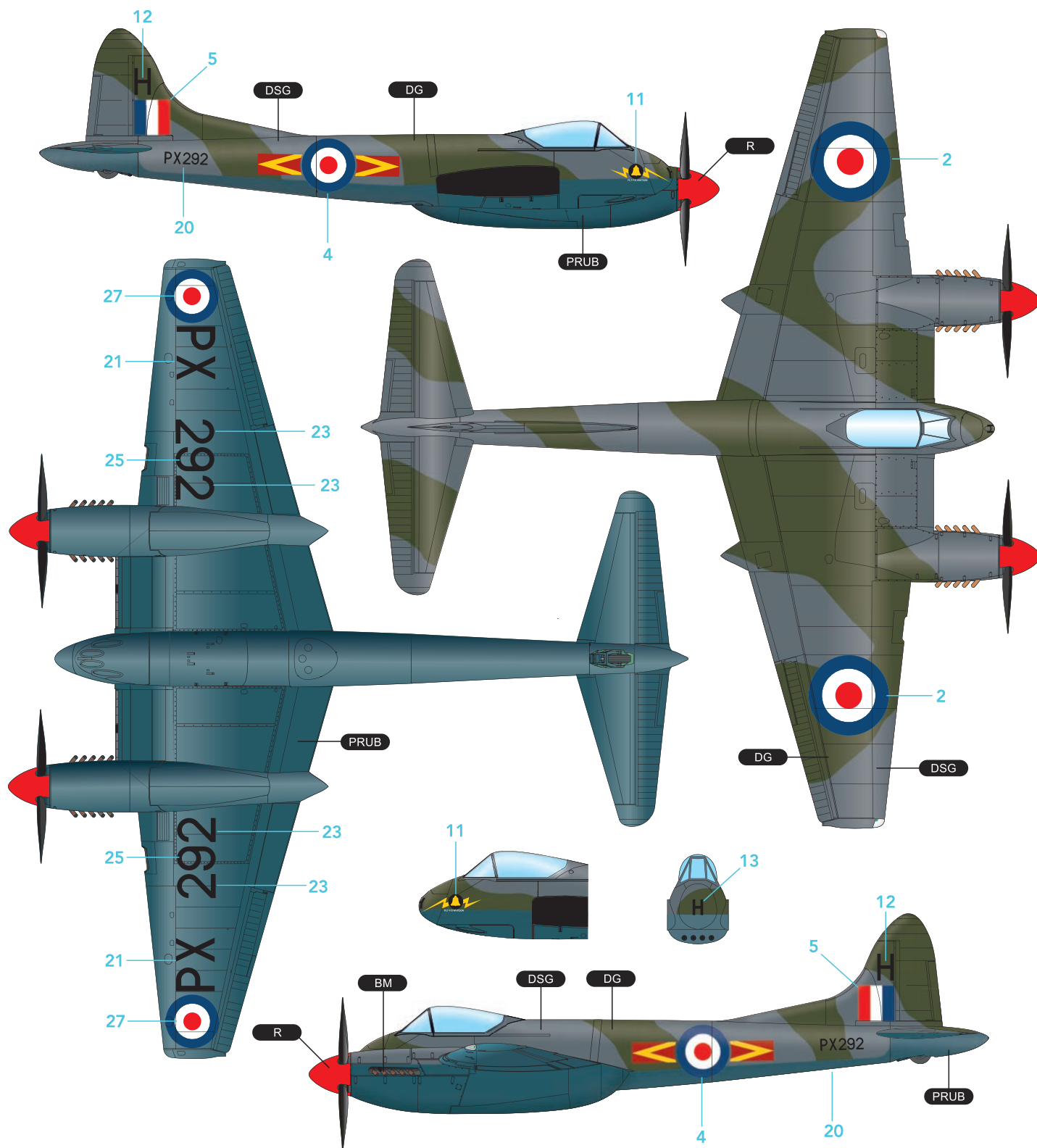
DI



61

DI





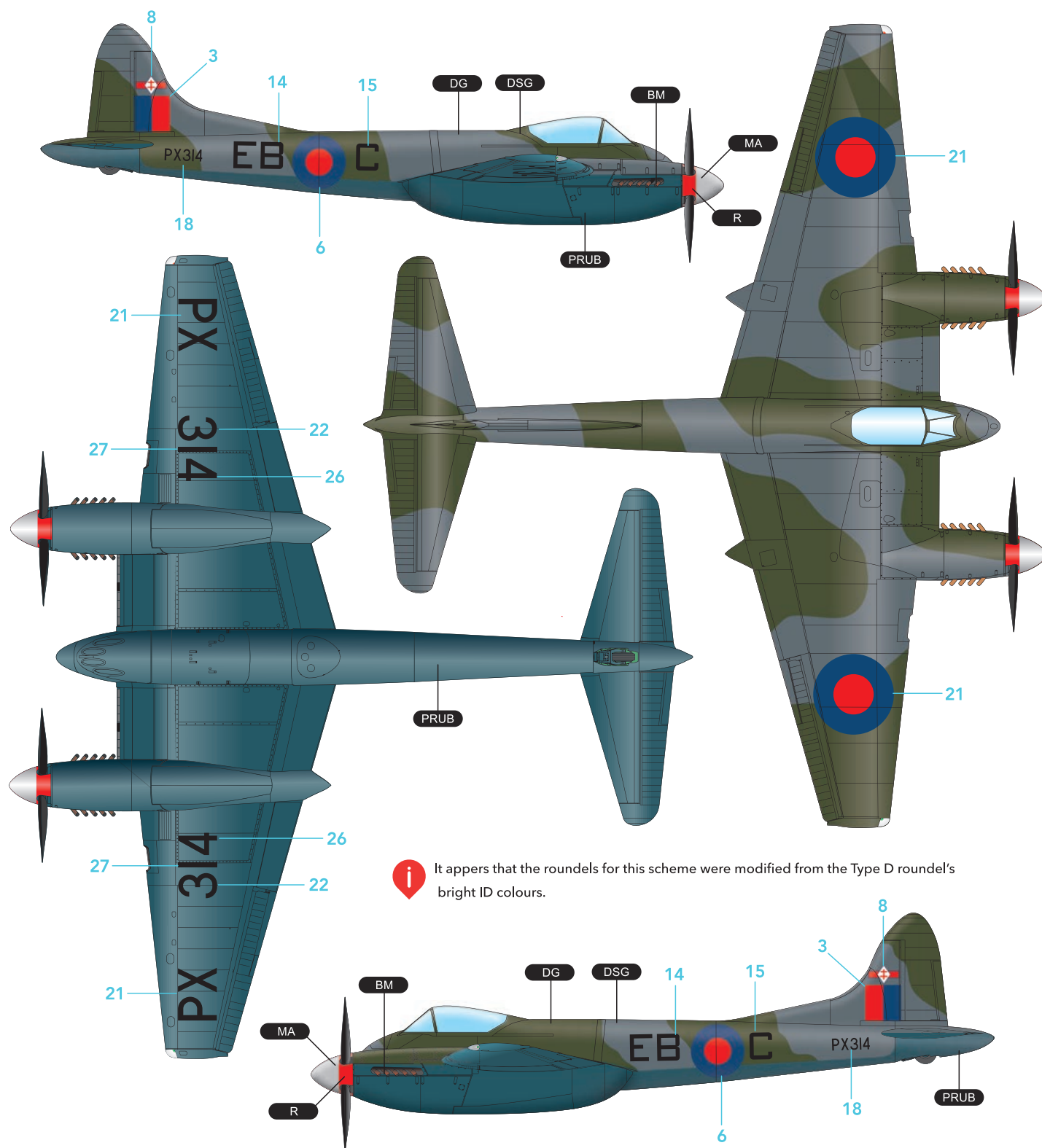
DSG	DG	PRUB	R	BM	FB
BS638	BS241	BS636	BS537		BS00E53
Dark Sea Grey	Dark Green	PRU Blue	Red	Burnt Metal	Flat Black



There is no frame between the centre and side panels of the windscreen. On the real thing there was a thin line of black Bostik sealant between the panels. On the kit there are 2 grooves to allow you to run a black ink wash to simulate this.

Scheme 1

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



i It appears that the roundels for this scheme were modified from the Type D roundel's bright ID colours.

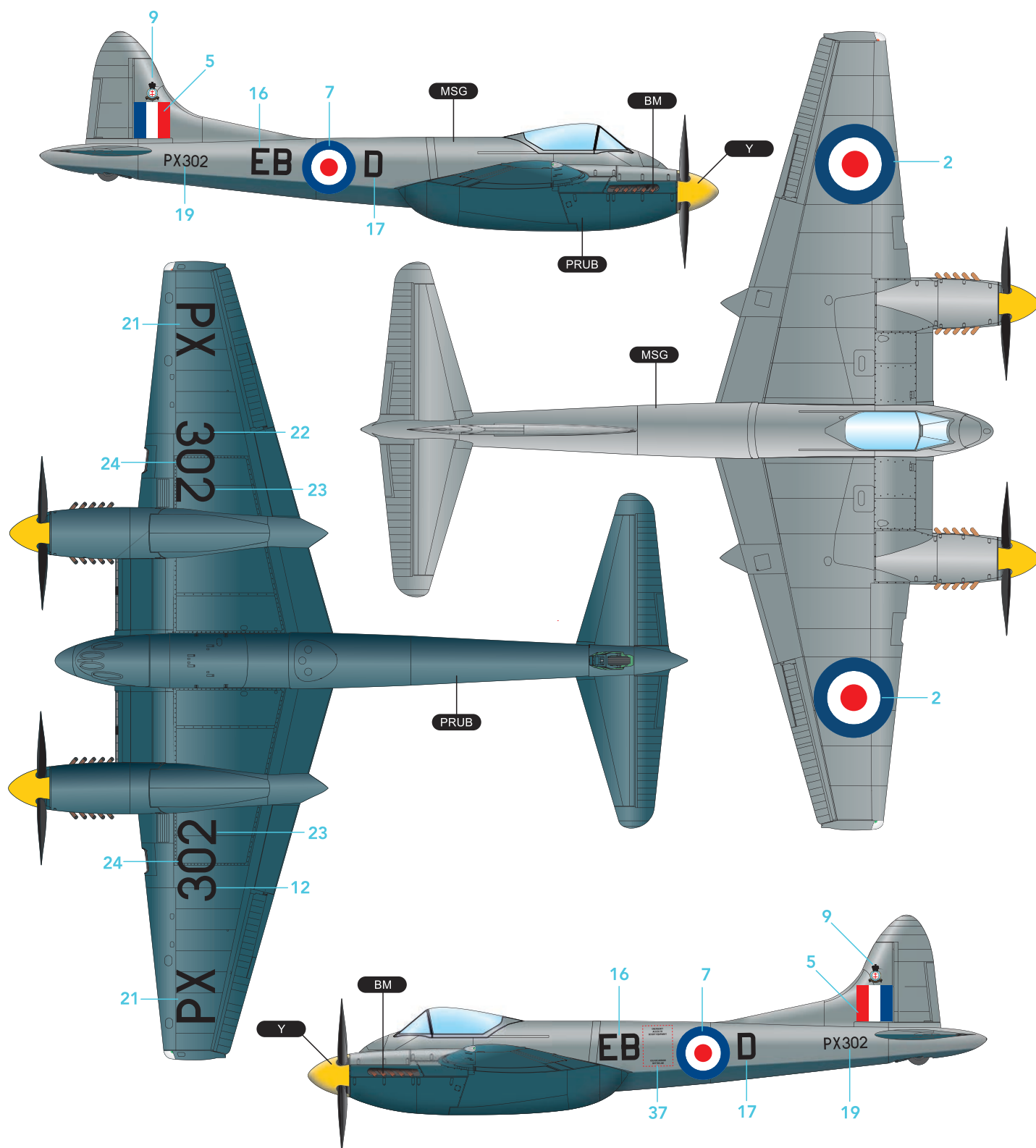
DSG	DG	PRUB	R	BM	FB	MA
BS638	BS241	BS636	BS537		BS00E53	
Dark Sea Grey	Dark Green	PRU Blue	Red	Burnt Metal	Flat Black	Aluminium

decal number

There is no frame between the centre and side panels of the windscreen. On the real thing there was a thin line of black Bostik sealant between the panels. On the kit there are 2 grooves to allow you to run a black ink wash to simulate this.

Scheme **2**

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



MSG	PRUB	Y	BM	FB
BS637	BS636	BS08E53		BS00E53
Med. Sea Grey	PRU Blue	Yellow	Burnt Metal	Flat Black



There is no frame between the centre and side panels of the windscreen. On the real thing there was a thin line of black Bostik sealant between the panels. On the kit there are 2 grooves to allow you to run a black ink wash to simulate this.

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.

Scheme references

For its short service life the Hornet wore a number of very different colour schemes. Three are featured in this kit. Our primary source of inspiration was the very good Buttler, Collins and Derry Hornet book on the aircraft and we backed this up with research in a number of other publications and in discussion with our subject matter



Personal notes



Web links



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



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



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



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Tony Buttler, David Collins and Martin Derry
Dalrymple & Verdun Publishing, 2010
ISBN 978-1-905414-12-3

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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.

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.

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

We hope that you enjoy building our Hornet!



www.dbmk.co.uk

Proprietors:

Will Packard, Ilya Sobolev
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