

Bastler0.



3D Lab
Gang

member of

User Guide



3D printable

Hawker Tempest Mk.II

scale 1:12, wingspan 1040 mm / 40.9 inch

HOW IT WORKS



Visit our website, 3DLabPrint.com, to purchase the product you are interested in. After completing your purchase, you will receive access to download the files.



Copy the downloaded files onto an SD card. We have optimized the universal G-code output to ensure compatibility with a wide range of 3D printers and have tested our products across multiple printer brands and configurations. If you own a Prusa 3D printer, we recommend using the dedicated Prusa G-code files for the best printing results.



Print all model parts using your 3D printer. The minimum recommended print bed size is 200 x 200 x 200 mm.



Assemble the model according to the included PDF manual. For bonding the individual parts, we recommend using medium-viscosity super glue together with an activator.

Product contains

- STL 3D files for the semiscale RC model
- prepared G-code files for 3D printing at Prusa Mk3 and MK4 printer.
- PrusaSlicer .3mf project files
- Bambu Studio plates and settings
- Assembly instructions in PDF format
- Scale markings provided in PDF format

Printing



PRUSA SLICER

3MF files can be used instead of standard STL files, but also include information about slicing in the new version of Prusa Slicer (since version 2.4). Open them directly in the Prusa Slicer as a project or import to the slicer of your choice. The files contain settings for printing on a direct drive printer. The generic settings are compatible with Prusa MK2/3/3S printers.



BAMBU STUDIO

Bambu Studio files provide ready-to-print build plates with 3D files and settings for an easy printing experience. However, it's recommended to disable automatic flow calibration and spaghetti detection.

Apart from this userguide, please see the Printing Guide for [PrusaSlicer](#), [Simplify3D](#) or [Cura](#) to find some Tips and Advice for airplane printing (Thin Wall Printing).

General specifications:

Wingspan:	1040 mm / 40.9 inch	
Length:	870 mm / 34.2 inch	
Height:	224 mm / 8.8 inch	
Wing area:	21.4 dm ² / 2.30 ft ² / 331 in ²	
Wing loading:	50,9 g/dm ² / 16.7 oz/ft ²	belly lander 44.4 g/dm ² / 14.6 oz/ft ²
Print weight (LW PLA):	570 g / 20 oz	450 g / 16.1 oz
Empty weight (w/o battery):	760 g / 26.8 oz	620 g / 21.9 oz
Center of gravity:	46 mm / 1.81 inch from leading edge	
Airfoil:	developed from LHK508	
Takeoff weight (3S 2200mAh LiPol):	1090 g / 38.4 oz	
Max takeoff weight:	1200 g / 42.3 oz	
Never exceed speed, VNE:	130 km/h / 80 mph	
Design maneuvering speed, VA:	80 km/h / 50 mph	
Stall speed, VS:	18 km/h / 11 mph	

Recommended setup

Motor:	Outrunner 3536 / 910KV, or similar C3536 / 910KV (for 3S setup)
ESC:	any 40A/3s or similar
Propeller:	two blade 10 x 6 or 10 x 5,5
Battery:	Li-Pol 2200mAh / 3-4S battery pack printed PET motor mount 16 x 19 mm



scale
1:12



wingspan
1040 mm



pieces
73



print weight
576g



takeoff weight
1090g

History of Hawker Tempest Mk II

The Hawker Tempest Mk.II was a British single-engine fighter aircraft developed by Hawker Aircraft near the end of World War II. It was an advanced variant of the Tempest series, designed for high performance at low and medium altitudes.

The Tempest Mk.II was created in response to the need for a more powerful fighter with a radial engine. Unlike earlier versions, it was powered by the Bristol Centaurus engine, which improved both durability and overall performance.

The Tempest Mk.II was heavily armed: 4 x 20 mm Hispano Mk V cannons, capability to carry bombs or unguided rockets under the wings. This made it effective against both enemy aircraft and ground targets.

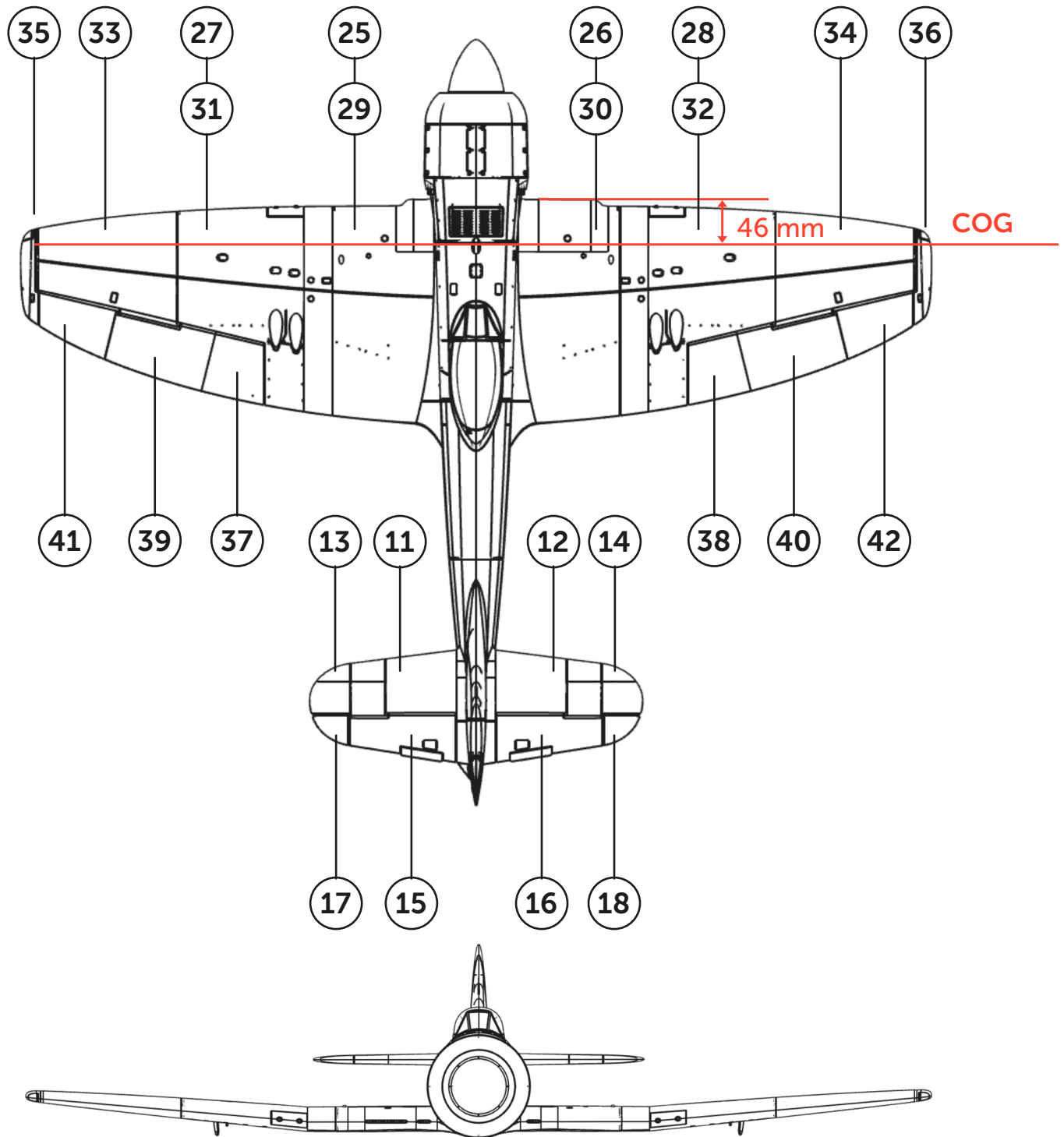
Although developed during World War II, the Tempest Mk.II saw operational service mainly after the war. It served with the Royal Air Force in various regions, including India and the Middle East. The aircraft was valued for its speed, reliability, and strong firepower.

The Tempest Mk.II represented one of the peak designs of piston-engine fighters in the RAF, but its operational career largely took place in the early postwar period, as jet aircraft soon began to replace it.



MAIN PRINTED PARTS

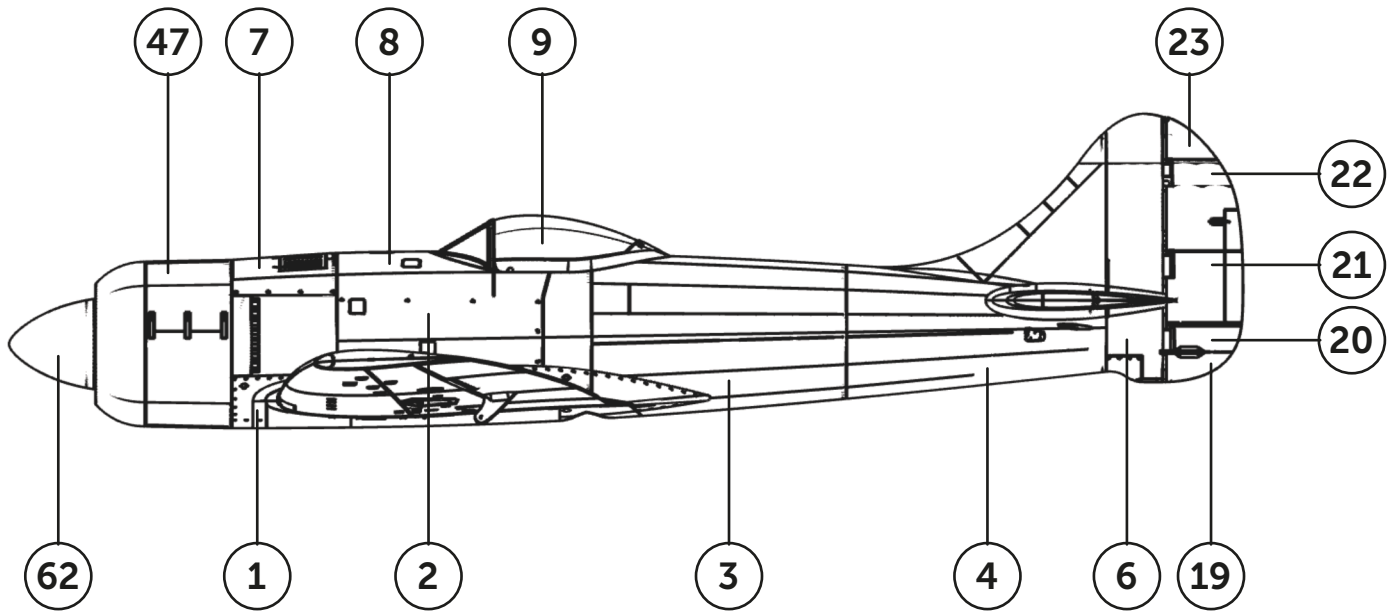
Hawker Tempest Mk.II



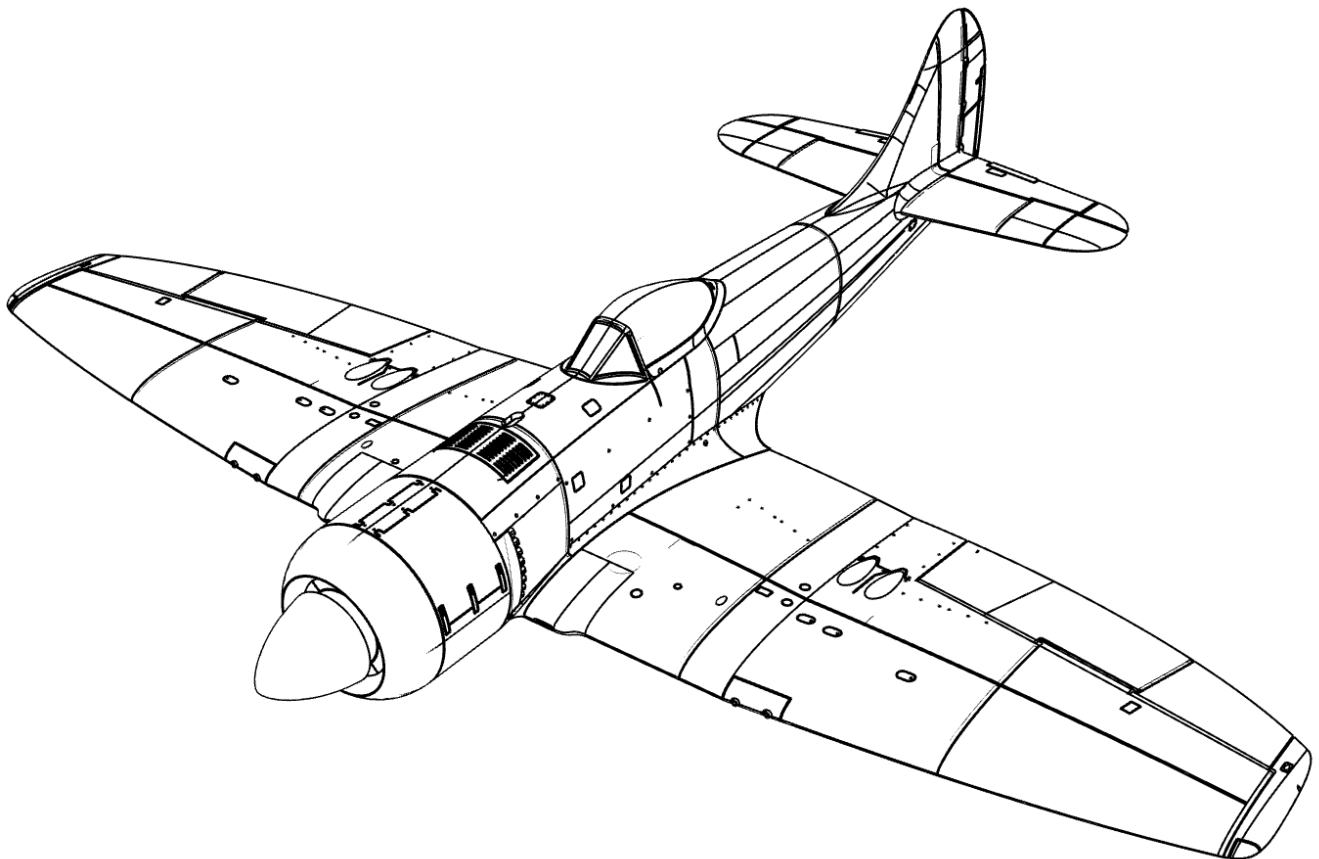
Wingspan: 1040 mm / 40.9 inch

MAIN PRINTED PARTS

Hawker Tempest Mk.II



Length: 870 mm / 34.2 inch



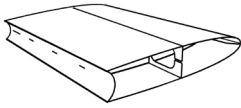
PRINTED PARTS LIST

LW-PLA parts

1		fuselage 1	material: LW-PLA layer height: 0,3 perimeters: 1 top layer: 0 bottom layer: 0 infill: 0% weight: 32,5g/1.15oz modifier: no	2		fuselage 2	material: LW-PLA layer height: 0,3 perimeters: 1 top layer: 0 bottom layer: 0 infill: 0% weight: 25,5g/0.90oz modifier: no
3		fuselage 3	material: LW-PLA layer height: 0,3 perimeters: 1 top layer: 0 bottom layer: 0 infill: 0% weight: 13,5g/0.48oz modifier: no	4		fuselage 4	material: LW-PLA layer height: 0,3 perimeters: 1 top layer: 0 bottom layer: 0 infill: 0% weight: 19,2g/0.68oz modifier: no
5		fuselage 5	material: LW-PLA layer height: 0,3 perimeters: 1 top layer: 0 bottom layer: 0 infill: 0% weight: 11,3g/0.40oz modifier: no	6		fuselage 5R	material: LW-PLA layer height: 0,3 perimeters: 1 top layer: 0 bottom layer: 0 infill: 0% weight: 8,0g/0.28oz modifier: no
7		cover 1	material: LW-PLA layer height: 0,3 perimeters: 1 top layer: 0 bottom layer: 0 infill: 0% weight: 4,1g/0.14oz modifier: no	8		cover 2	material: LW-PLA layer height: 0,3 perimeters: 1 top layer: 0 bottom layer: 0 infill: 0% weight: 5,3g/0.19oz modifier: no
9		cover 3	material: LW-PLA layer height: 0,3 perimeters: 1 top layer: 0 bottom layer: 0 infill: 0% weight: 6,8g/0.24oz modifier: no	10		cover lock	material: LW-PLA layer height: 0,3 perimeters: 2 top layer: 2 bottom layer: 2 infill: 20% weight: 0,7g/0.02oz modifier: solid

LW-PLA parts

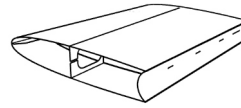
11



stabiliser left 1

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 3,0g/0.11oz
modifier: no

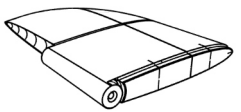
12



stabiliser right 1

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 3,0g/0.11oz
modifier: no

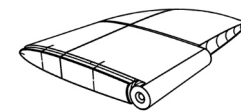
13



stabiliser left 2

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 3,0g/0.11oz
modifier: no

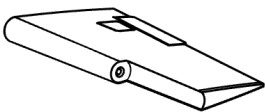
14



stabiliser right 2

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 3,0g/0.11oz
modifier: no

15

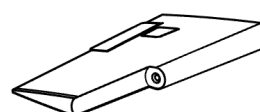


elevator left 1

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 2
infill: 0%
weight: 3,5g/0.12oz
modifier: 0 - 2 mm

2 bottom layers

16

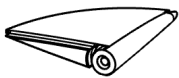


elevator right 1

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 2
infill: 0%
weight: 3,5g/0.12oz
modifier: 0 - 2 mm

2 bottom layers

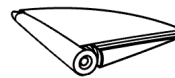
17



elevator left 2

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 0,8g/0.03oz
modifier: no

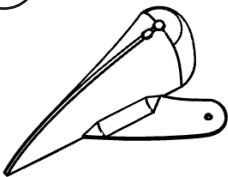
18



elevator right 2

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 0,8g/0.03oz
modifier: no

19

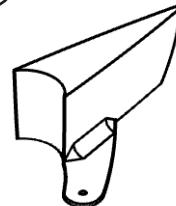


rudder 1

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 2
bottom layer: 3
infill: 0%
weight: 1,2g/0.04oz
modifier: 2 top layers

3 bottom layers

20



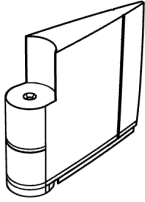
rudder 2

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 3
infill: 0
weight: 1,0g/0.04oz
modifier: 0 - 2 mm

3 bottom layer

LW-PLA parts

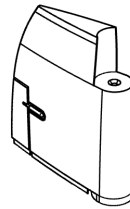
21



rudder 3

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 2,3g/0.08oz
modifier: no

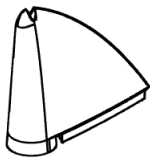
22



rudder 4

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 2,7g/0.10oz
modifier: no

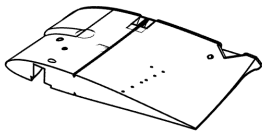
23



rudder 5

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 0,7g/0.02oz
modifier: no

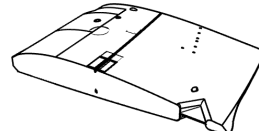
25



wing L1G

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 31,6g/1.11oz
modifier: no

26



wing R1G

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 30g/1.06oz
modifier: no

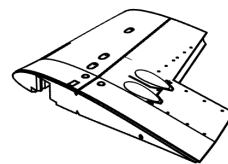
27



wing L2G

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 27,5g/0.97oz
modifier: no

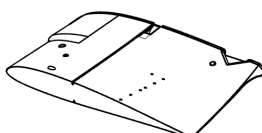
28



wing R2G

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 27,5g/0.97oz
modifier: no

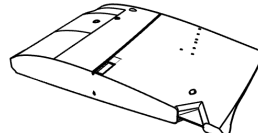
29



wing L1

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 29,9g/1.05oz
modifier: no

30

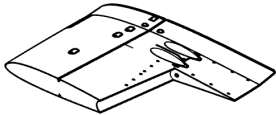


wing R1

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 28,5g/1.00oz
modifier: no

LW-PLA parts

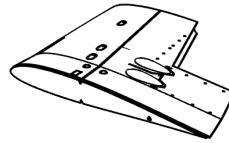
31



wing L2

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 24,5g/0.86oz
modifier: no

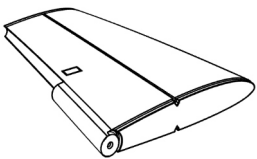
32



wing R2

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 24,5g/0.86oz
modifier: no

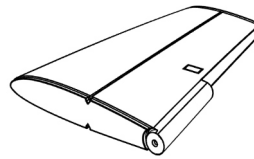
33



wing L3

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 13,3g/0.43oz
modifier: no

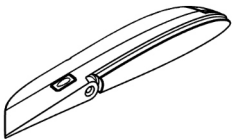
34



wing R3

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 12,3g/0.43oz
modifier: no

35

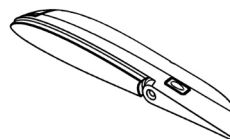


wing L4

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 1,4g/0.05oz
modifier: 17 - 30 mm

2 top layer

36

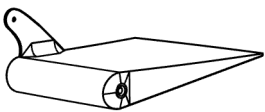


wing R4

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 1,4g/0.05oz
modifier: 17 - 30 mm

2 top layer

37



aileron L1

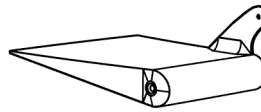
material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 4,8g/0.17oz
modifier: 0 - 2 mm

3 bottom layer

55 - 75 mm

2 top layer

38



aileron R1

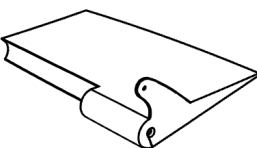
material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 4,8g/0.17oz
modifier: 0 - 2 mm

3 bottom layer

55 - 75 mm

2 top layer

39

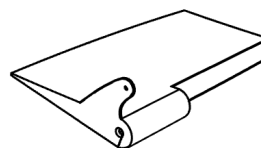


aileron L2

material: LW-PLA
layer height: 0,3
perimeters: 1
top layer: 0
bottom layer: 0
infill: 0%
weight: 5,7g/0.20oz
modifier: 0 - 2 mm

3 bottom layer

40



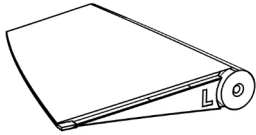
aileron R2

material: LW-PLA
layer height: 0,3
perimeters: 2
top layer: 2
bottom layer: 2
infill: 0%
weight: 5,7g/0.20oz
modifier: 0 - 2 mm

3 bottom layer

LW-PLA parts

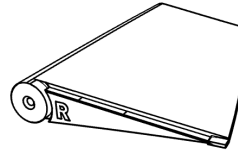
41



aileron L3

material: LW-PLA
 layer height: 0,3
 perimeters: 1
 top layer: 0
 bottom layer: 0
 infill: 0%
 weight: 3,8g/0.14oz
 modifier: 80 - 100 mm
 2 top layer

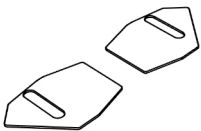
42



aileron R3

material: LW-PLA
 layer height: 0,3
 perimeters: 1
 top layer: 0
 bottom layer: 0
 infill: 0%
 weight: 3,8g/0.14oz
 modifier: 80 - 100 mm
 2 top layer

43

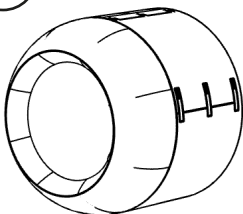


servo cover

material: LW-PLA
 layer height: 0,3
 perimeters: 1
 top layer: 2
 bottom layer: 2
 infill: 0%
 weight: 2,0g/0.07oz
 modifier: 2 top layer
 2 bottom layer

PLA parts

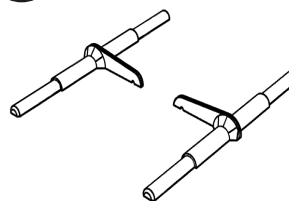
47



cowl

material: PLA
 layer height: 0,1
 perimeters: 1
 top layer: 0
 bottom layer: 0
 infill: 0%
 weight: 18,6g/0.66oz
 modifier: no

48



elevator arm

material: PLA
 layer height: 0,15
 perimeters: 2
 top layer: 6
 bottom layer: 5
 infill: 15%
 weight: 2,73g/0.09oz
 modifier: no

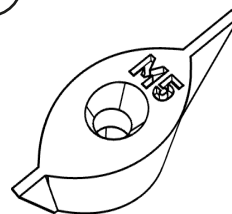
49



battery holder

material: PLA
 layer height: 0,3
 perimeters: 1
 top layer: 3
 bottom layer: 3
 infill: 0%
 weight: 2,2g/0.08oz
 modifier: no

50

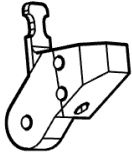


nut M5

material: PLA
 layer height: 0,15
 perimeters: 2
 top layer: 6
 bottom layer: 6
 infill: 40%
 weight: 2,0g/0.07oz
 modifier: no

PLA parts

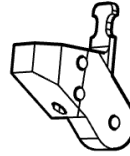
51



main gear base L

material: PLA
layer height: 0,1
perimeters: 3
top layer: 6
bottom layer: 6
infill: 50%
weight: 4,4g/0.16oz
modifier: no

52



main gear base R

material: PLA
layer height: 0,1
perimeters: 3
top layer: 6
bottom layer: 6
infill: 50%
weight: 4,4g/0.16oz
modifier: no

53



main gear leg L

material: PLA
layer height: 0,1
perimeters: 3
top layer: 6
bottom layer: 6
infill: 50%
weight: 4,7g/0.17oz
modifier: no

54



main gear leg R

material: PLA
layer height: 0,1
perimeters: 3
top layer: 6
bottom layer: 6
infill: 50%
weight: 4,7g/0.17oz
modifier: no

55



main gear cover L

material: PLA
layer height: 0,1
perimeters: 2
top layer: 3
bottom layer: 3
infill: 40%
weight: 5,5g/0.19oz
modifier: no

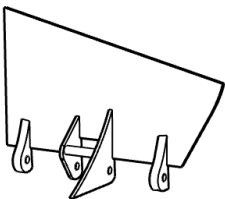
56



main gear cover R

material: PLA
layer height: 0,1
perimeters: 2
top layer: 3
bottom layer: 3
infill: 40%
weight: 5,5g/0.19oz
modifier: no

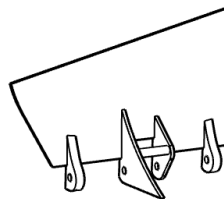
57



cover L

material: PLA
layer height: 0,1
perimeters: 2
top layer: 2
bottom layer: 2
infill: 30%
weight: 3,2g/0.11oz
modifier: no

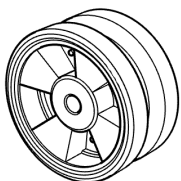
58



cover R

material: PLA
layer height: 0,1
perimeters: 2
top layer: 2
bottom layer: 2
infill: 30%
weight: 3,2g/0.11oz
modifier: no

59



main disc

material: PLA
layer height: 0,3
perimeters: 3
top layer: 3
bottom layer: 4
infill: 40%
weight: 6,5g/0.23oz
modifier: no

60

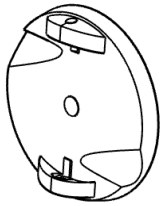


tail disc

material: PLA
layer height: 0,3
perimeters: 3
top layer: 3
bottom layer: 4
infill: 40%
weight: 0,7g/0.02oz
modifier: no

PLA parts

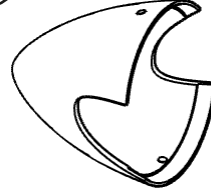
61



cone 2 blade base

material: PLA
layer height: 0,3
perimeters: 3
top layer: 3
bottom layer: 4
infill: 40%
weight: 6,8g/0.24oz
modifier: no

62



cone 2 blade top

material: PLA
layer height: 0,3
perimeters: 3
top layer: 3
bottom layer: 4
infill: 40%
weight: 17,0g/0.60oz
modifier: no

63



cone 4 blade base

material: PLA
layer height: 0,3
perimeters: 3
top layer: 3
bottom layer: 4
infill: 40%
weight: 6,8g/0.24oz
modifier: no

64



cone 4 blade top

material: PLA
layer height: 0,3
perimeters: 3
top layer: 3
bottom layer: 4
infill: 40%
weight: 17,0g/0.60oz
modifier: no

65



spinner M5/M6

material: PLA
layer height: 0,3
perimeters: 3
top layer: 3
bottom layer: 4
infill: 40%
weight: ???g/0.79oz
modifier: no

FLEX parts

71



main tyre

material: Flex
layer height: 0,2
perimeters: 3
top layer: 4
bottom layer: 4
infill: 10%
weight: 6,0g/0.21oz
modifier: no

72

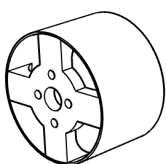


tail tyre

material: Flex
layer height: 0,2
perimeters: 3
top layer: 4
bottom layer: 4
infill: 10%
weight: 2,3g/0.08oz
modifier: no

PETG parts

73

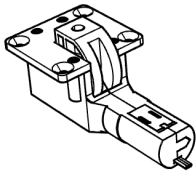


motor mount

material: PETG
layer height: 0,25
perimeters: 3
top layer: 5
bottom layer: 5
infill: 80%
weight: 12,4g/0.44oz
modifier: no

ACCESSORIES

80

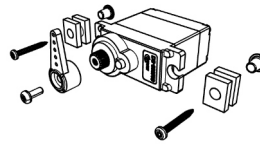


retract

PZ-15094M 25g Mini Electric
Servoless Retract for 1kg planes.

base plate: 32 x 24,5 mm
pin: 3 mm
pieces: 2
Shop: [RC Castle](#)
[AliExpress](#)
[Towerhobbies](#)
[Hobbyking](#)

81

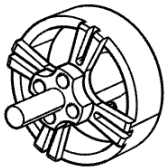


servo

23x12x26 mm microservo

• Corona DS-939MG
• HXT 900
• Hitec HS-5055MG
pieces: 4
shop: [AliExpress](#)
[RC Castle](#)
[Amazon](#)

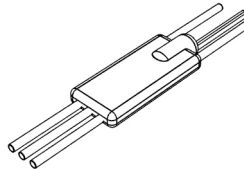
82



motor

• C3536 - 910kV
kV: 910
weight: 104g
shop: [C3536 / 910KV](#)
• FlashHobby D4215 - 650kV
kV: 650
weight: 83g
shop: [AliExpress](#)
[DYS man.](#)

83

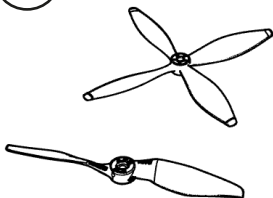


controller

Compatible with your motor.

• Castle Creations Talon 25A
• YEP ESC 40A (2~6S) SBEC
Brushles
cells: 3 – 6s
ESC Current: 20 – 40 A
BEC: yes
Shop: [CastleCreations](#)
[HobbyKing](#)

84



propeller

• 2 blade APC 10 x 5,5
• Aeronaut CamCarbon Light 10 x 6
• 4 blade FMS 10,5 x 8
shop: [AliExpress](#)
[FMS.](#)

85



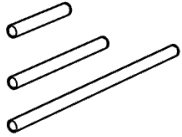
collar

aluminium collar for 3mm shaft

ID	size	pcs.
87	3 mm	2x
	MP-Jet	
	AliExpress	
88	0,8mm quick	1x
	MP-Jet	

ACCESSORIES

C



carbon rod

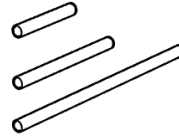
3 mm carbon rod

ID	length	pcs.
89	140 mm	1x
90	82 mm	1x
91	24 mm	2x
92	18 mm	2x

1,5 – 1,75 mm carbon/fibreglass rod

93	1000 mm	2x
----	---------	----

S

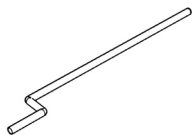


steel rod

3 mm spring steel rod

ID	length	pcs.
94	65 mm	2x

W

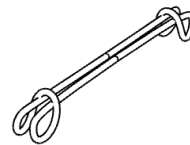


steel wire

0,8 mm spring steel wire

ID	length	pcs.
95	500 mm	2x
96	150 mm	2x
97	200 mm	1x

R

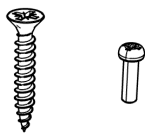


rubber band

office rubber band

ID	length	pcs.
98	65 mm	2x
rubber grommets for attaching the wing		
99	150 mm	2x

E



screws

ID	size	pcs.
100	M3 x 10	8x
101	M3 x 8	4x
102	M5x40 polyamid	2x
103	3 x 18	8x
104	2,3 x 8	2x

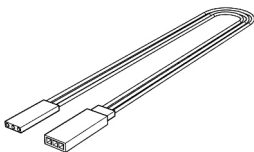
N



nuts

ID	size	pcs.
105	M3	8x
106	M5	2x

T



servo cable extender

ID	size	pcs.
108	30cm	2x

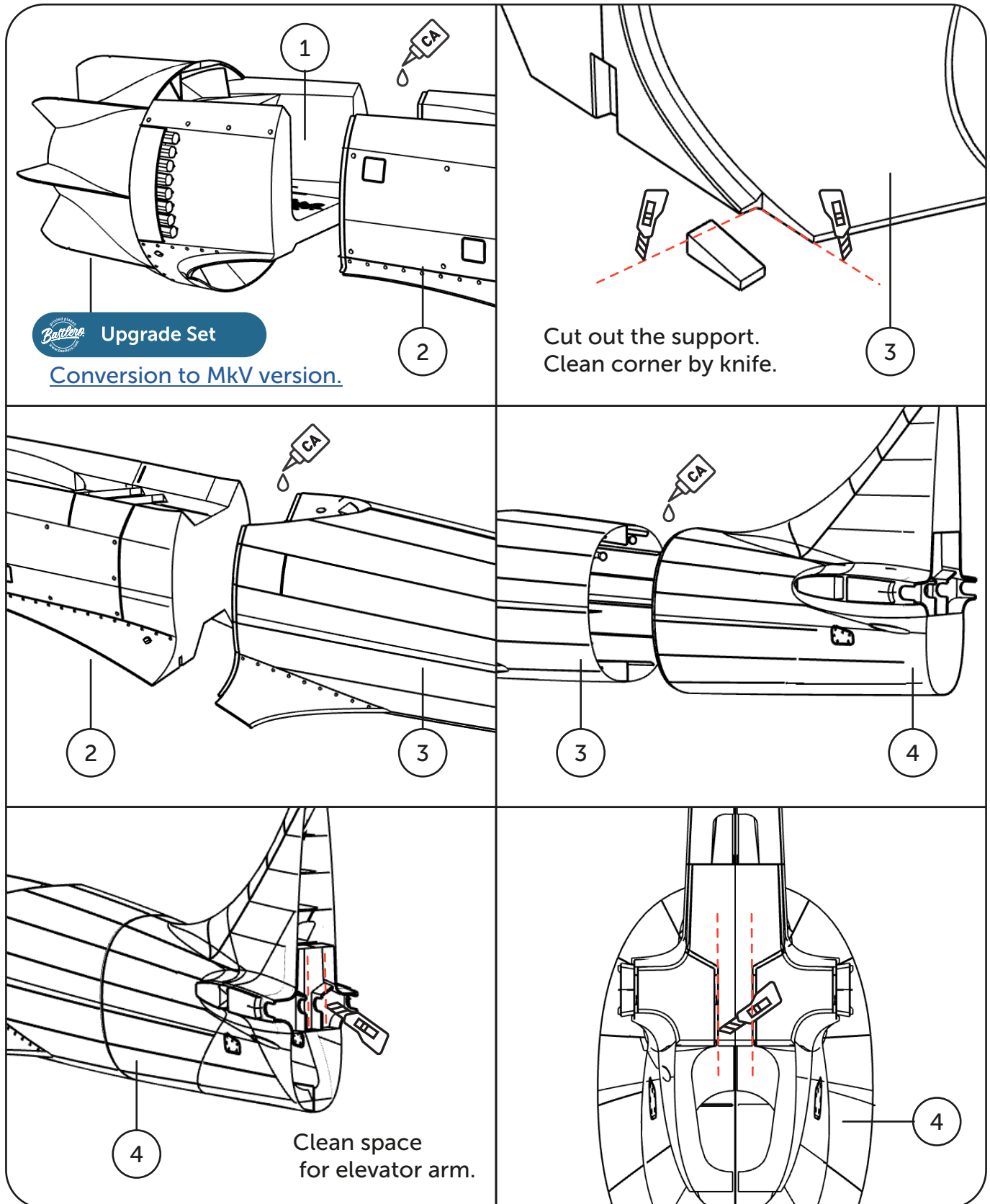
P



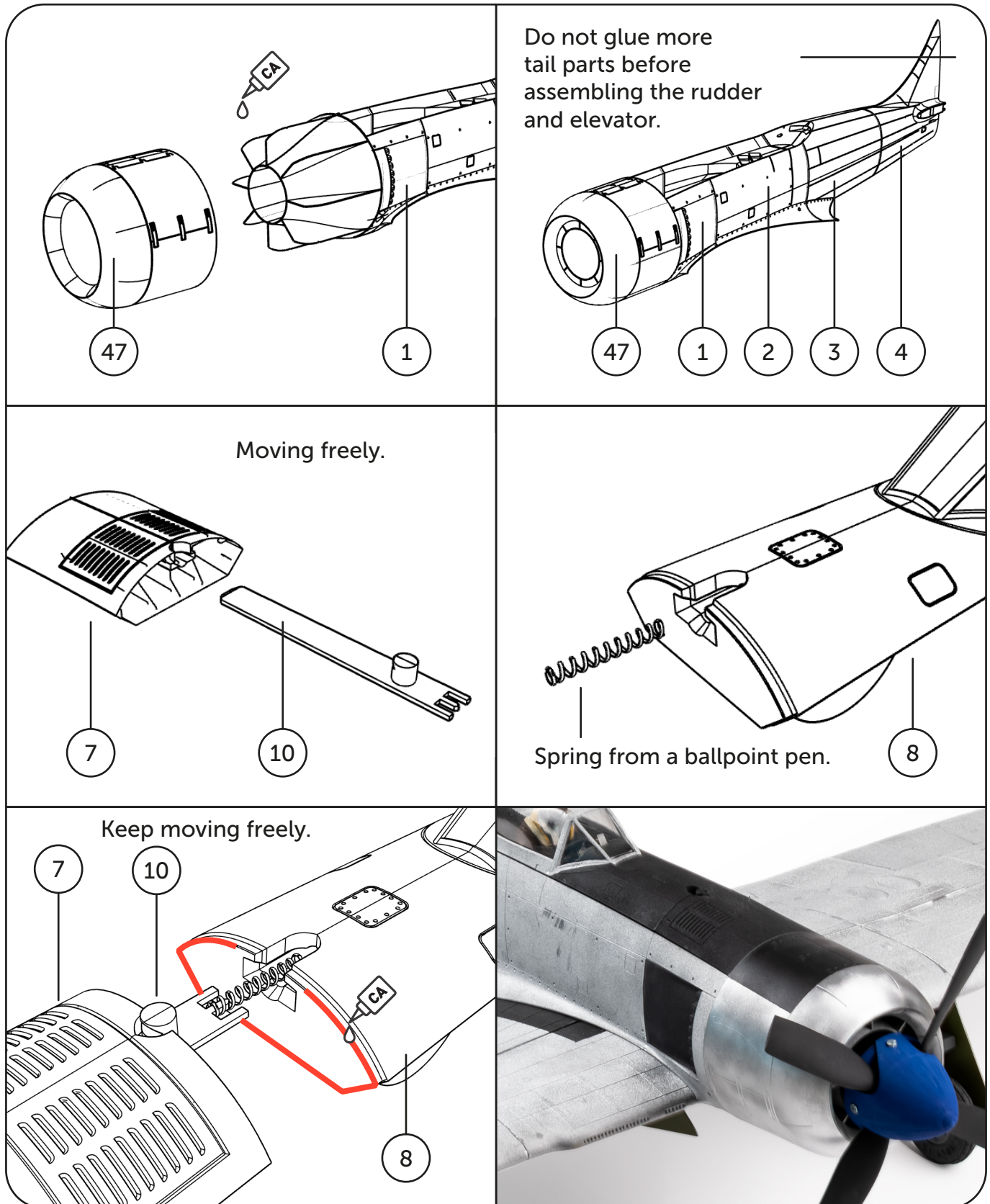
ballpen spring

ID	size	pcs.
110	26x4,3	1x

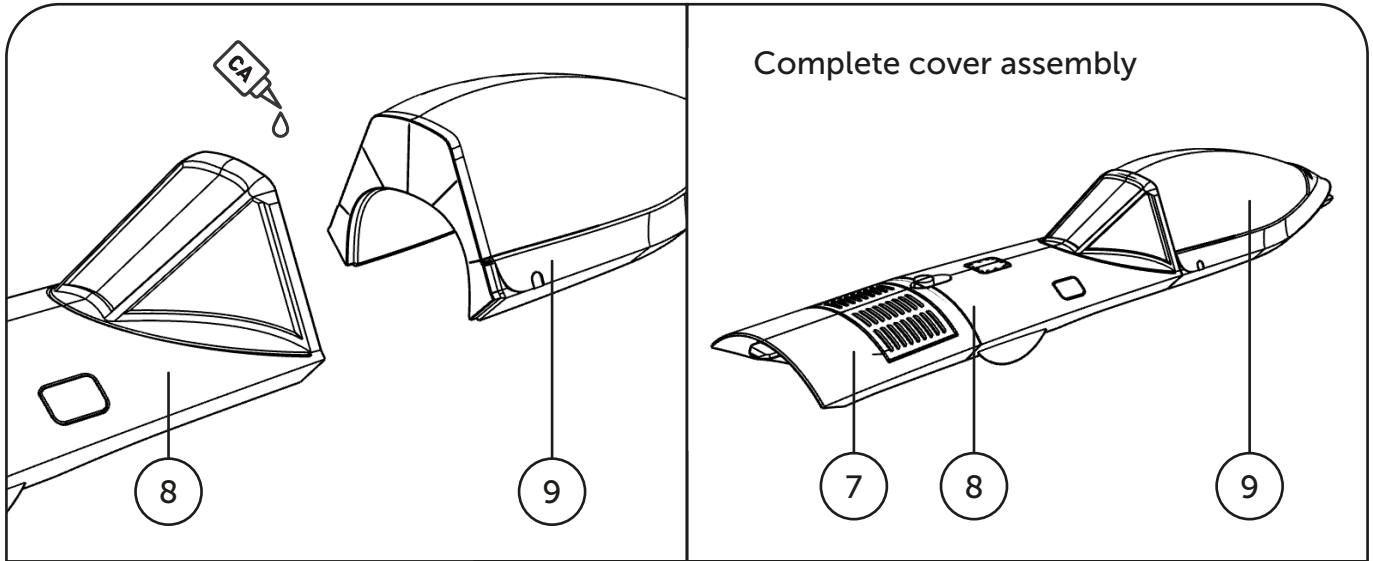
Fuselage assembly Hawker Tempest Mk.II



Fuselage assembly Hawker Tempest Mk.II



Fuselage assembly Hawker Tempest Mk.II



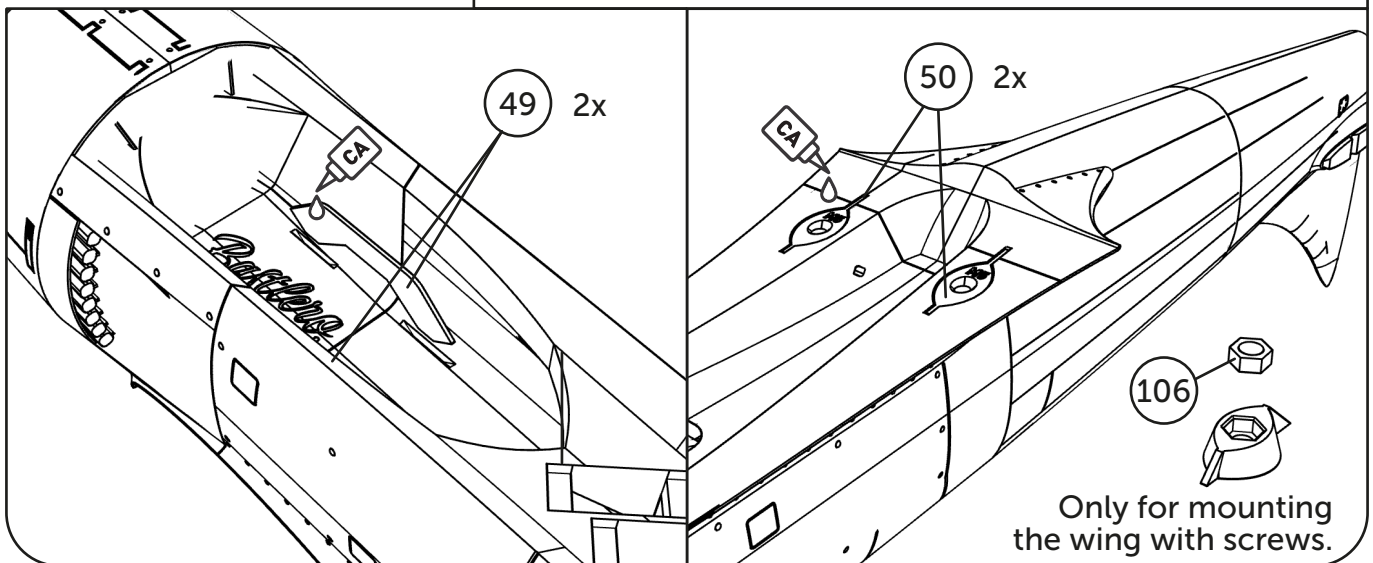
SCALE UPGRADE



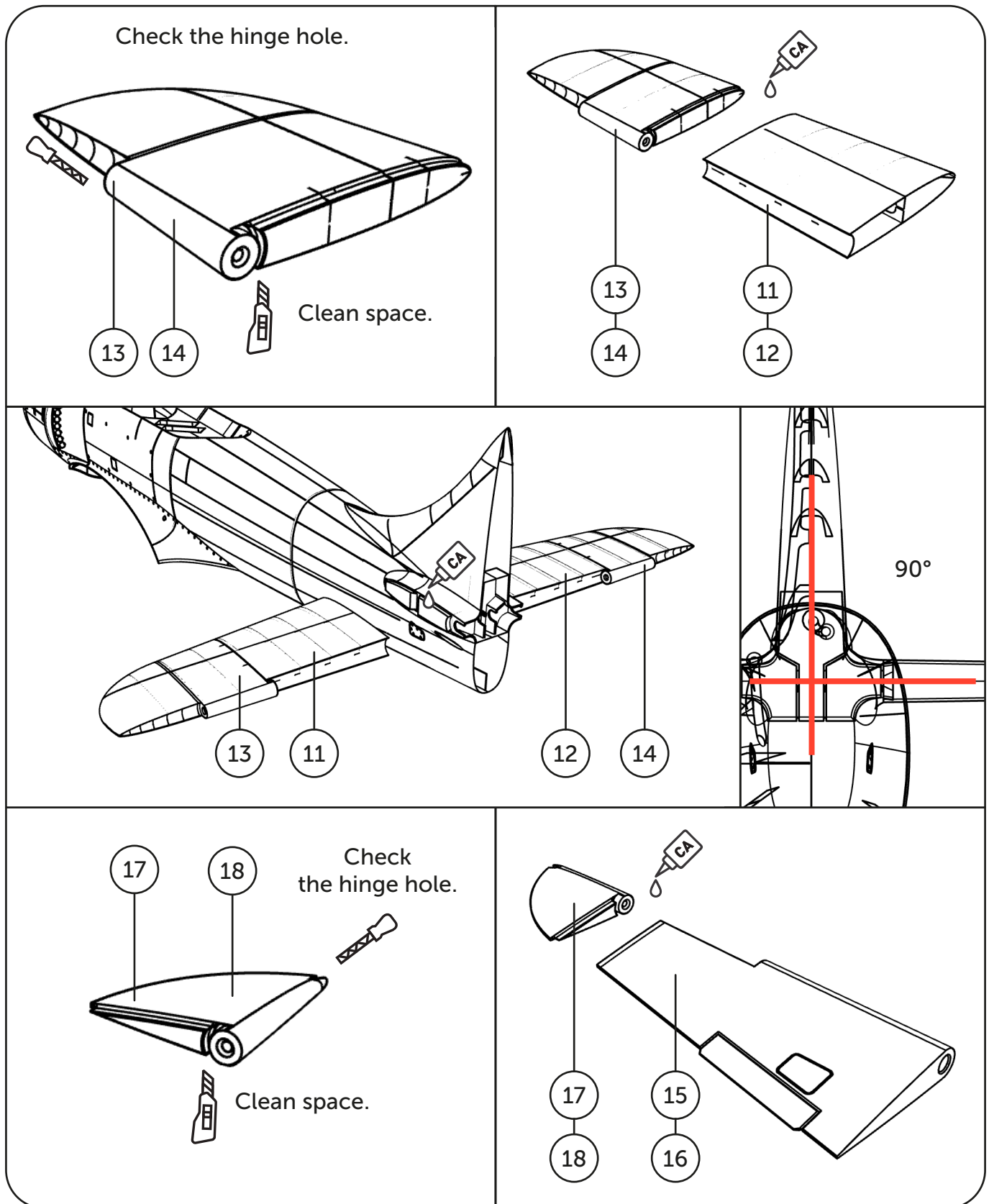
Upgrade Set

A cockpit upgrade is available for scale modelers. A glass-enclosed cockpit featuring a period-accurate pilot and instrument panel.

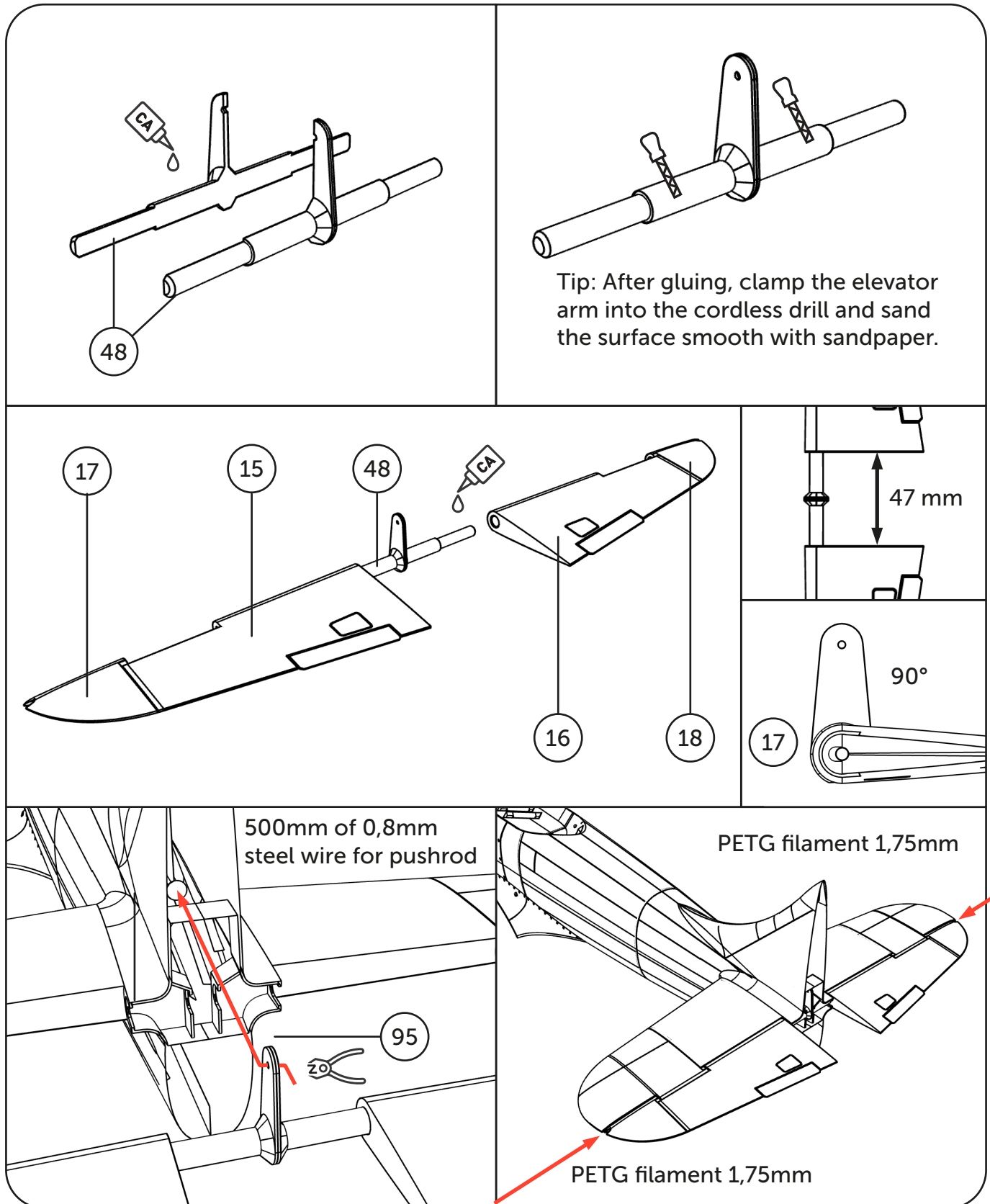
You can [purchase the upgrade at bastlero.com](https://www.bastlero.com)



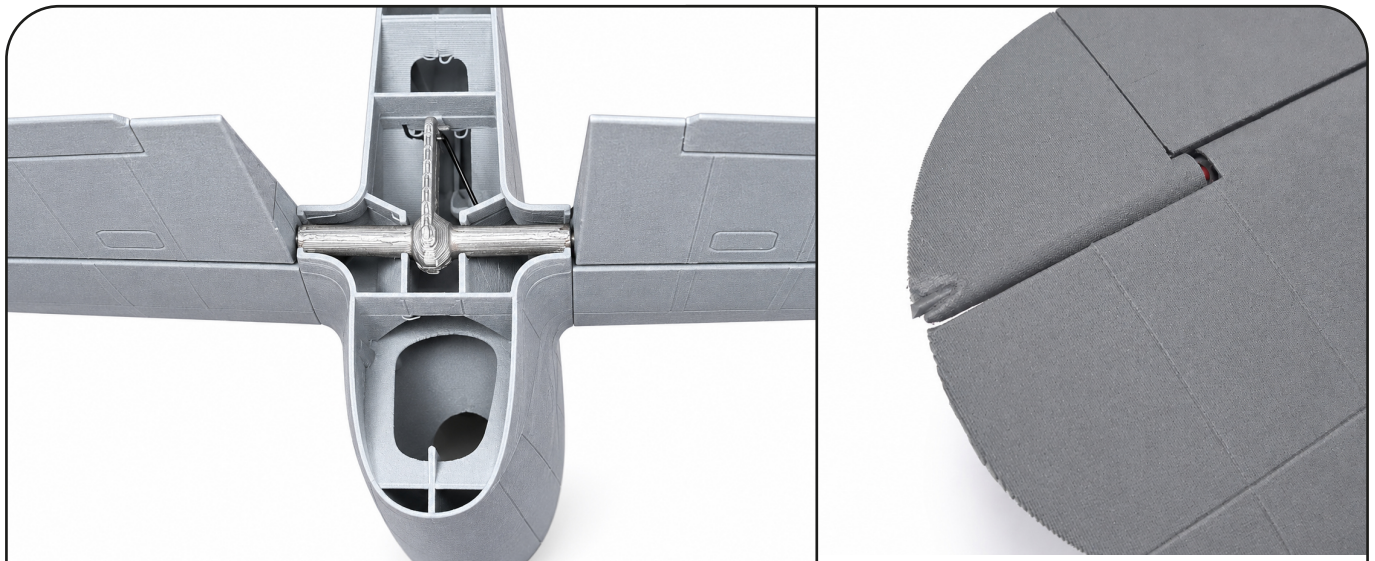
Tail assembly Hawker Tempest Mk.II



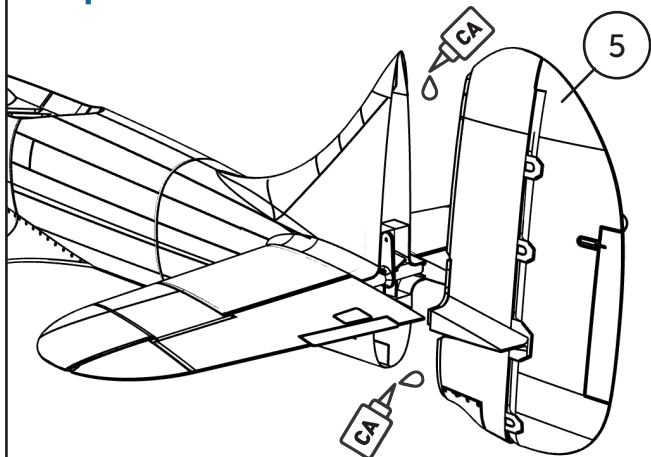
Tail assembly Hawker Tempest Mk.II



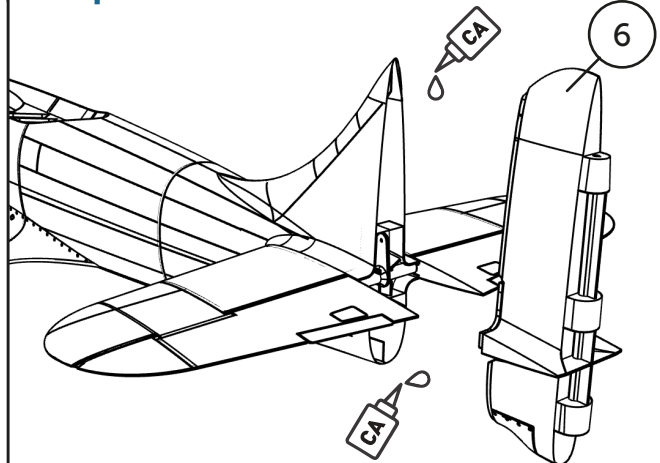
Tail assembly Hawker Tempest Mk.II



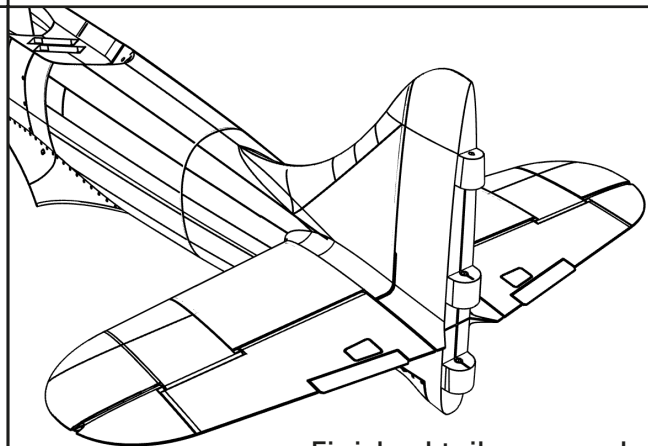
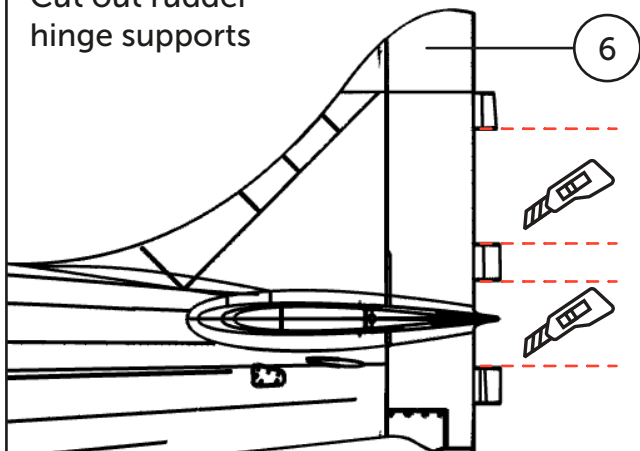
Option A - fixed rudder



Option B - rudder

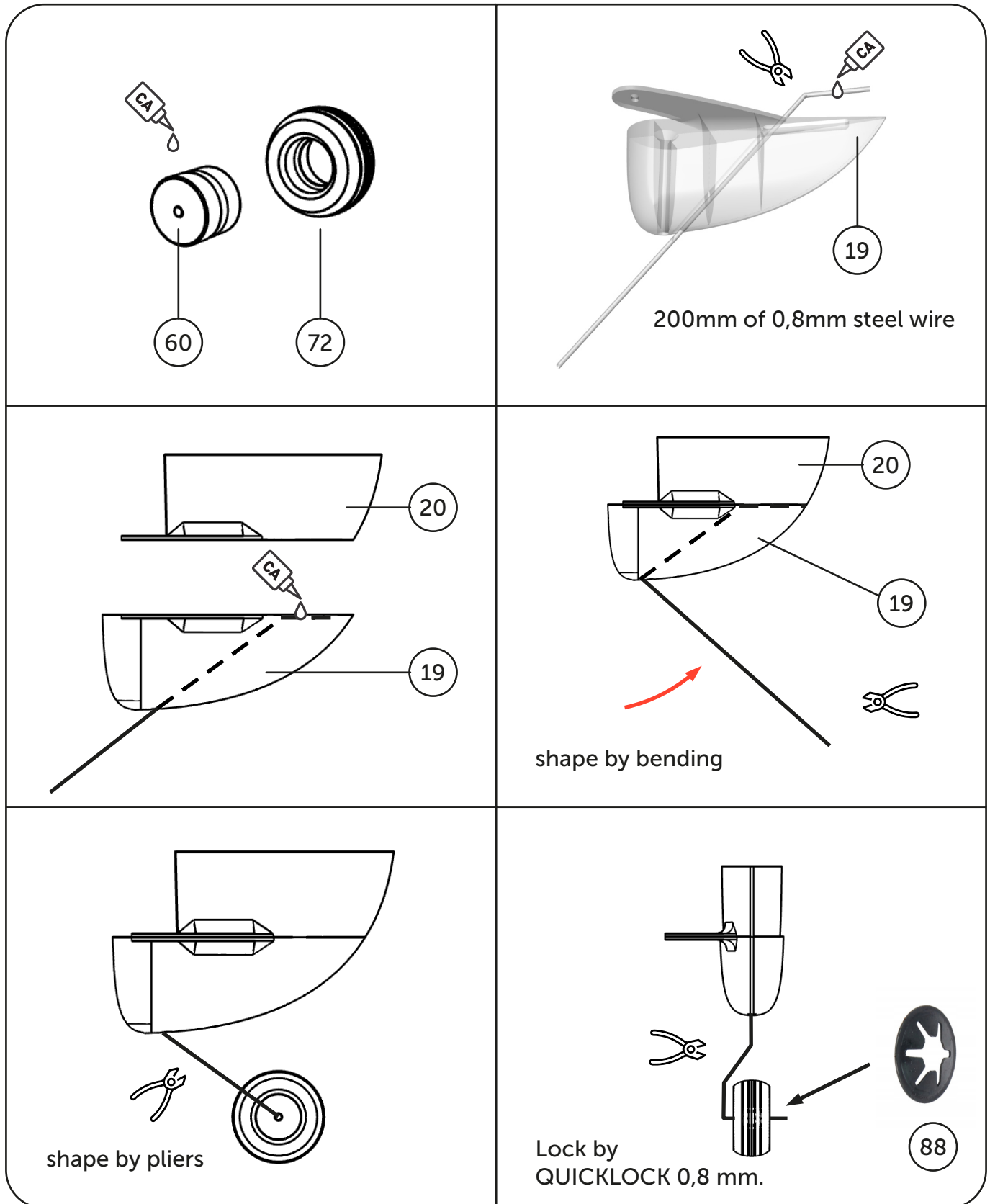


Cut out rudder
hinge supports

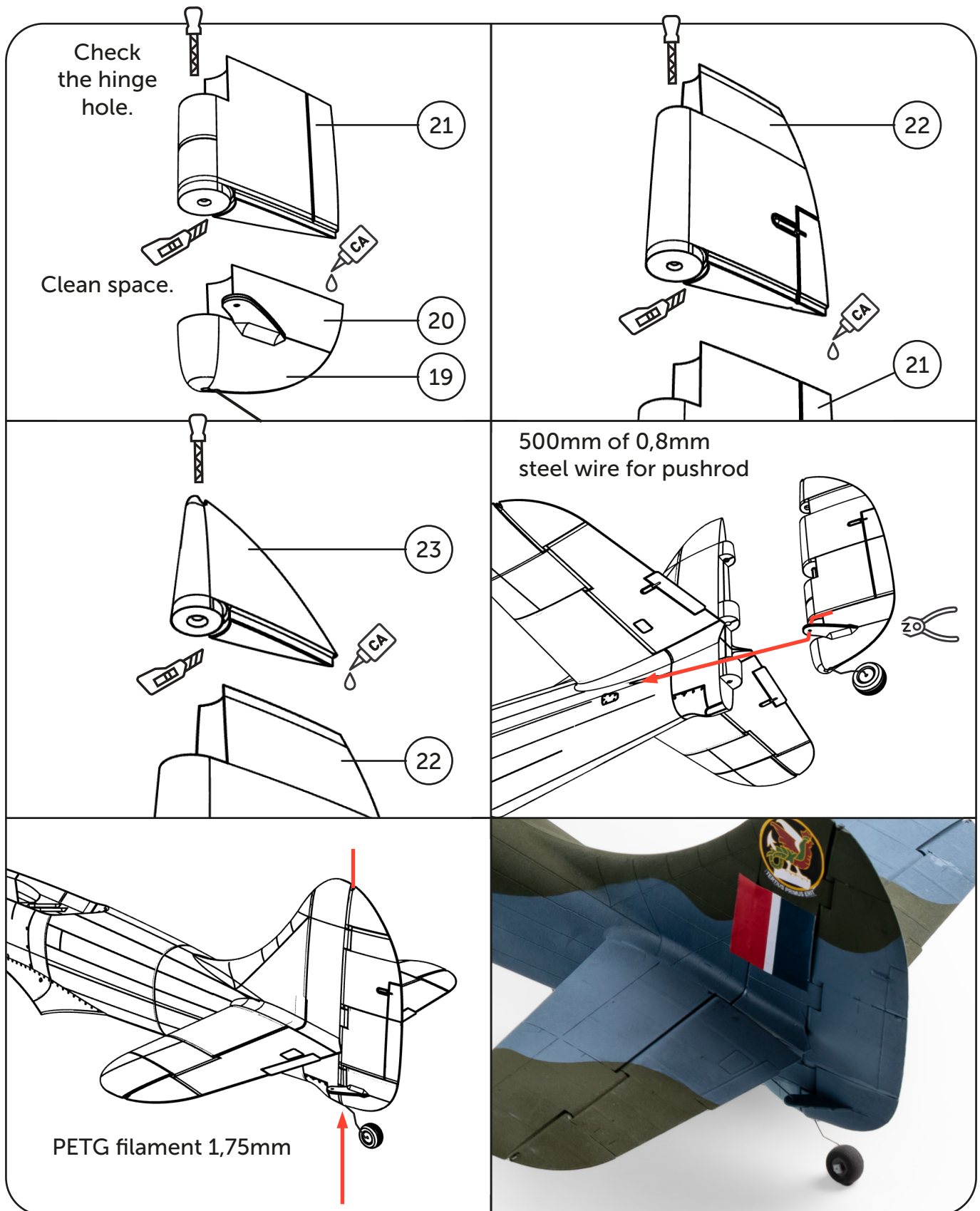


Finished tail prepared
for rudder installation.

Rudder assembly Hawker Tempest Mk.II

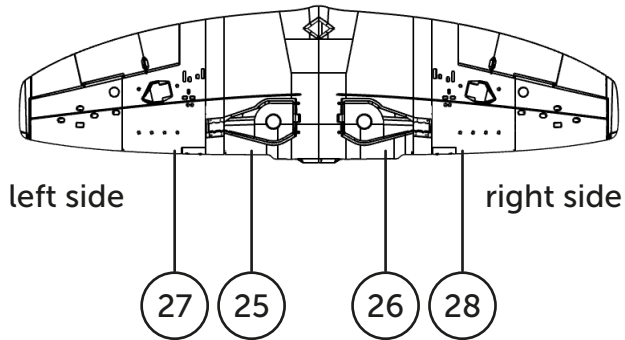


Rudder assembly Hawker Tempest Mk.II

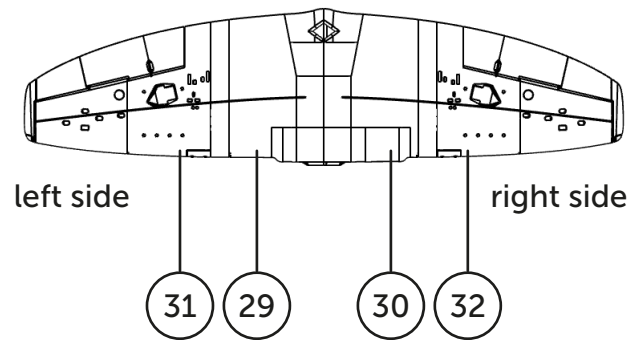


Wing assembly Hawker Tempest Mk.II

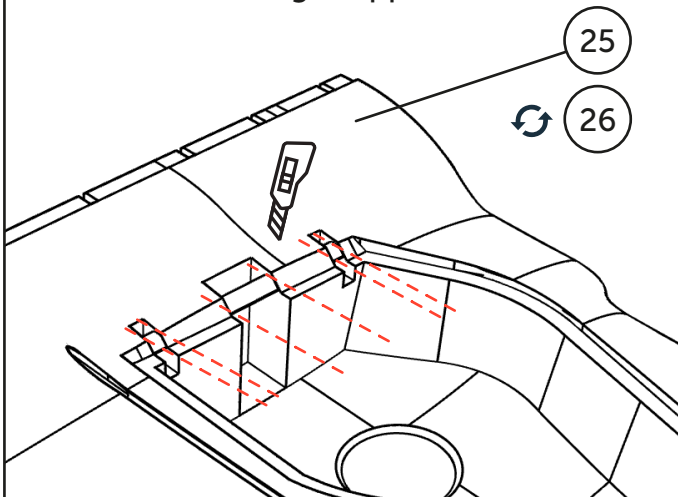
Option A - wings with landing gear



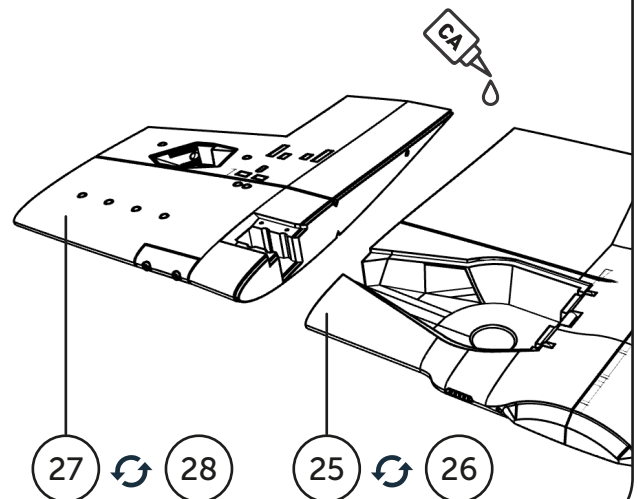
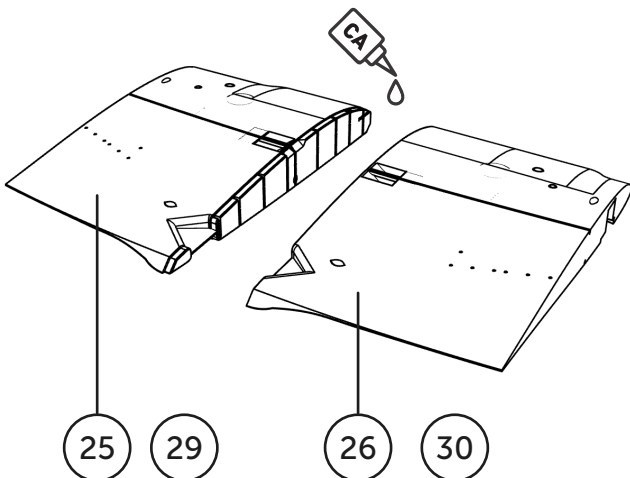
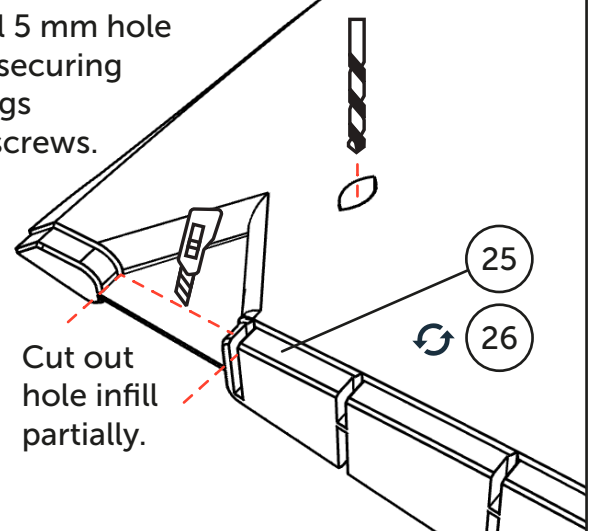
Option B - wings for belly landing



Cut out cover hinge supports.



Drill 5 mm hole for securing wings by screws.

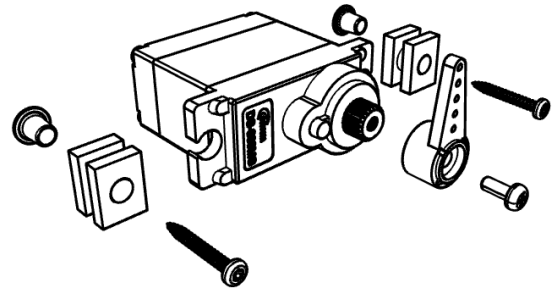


Wing assembly Hawker Tempest Mk.II

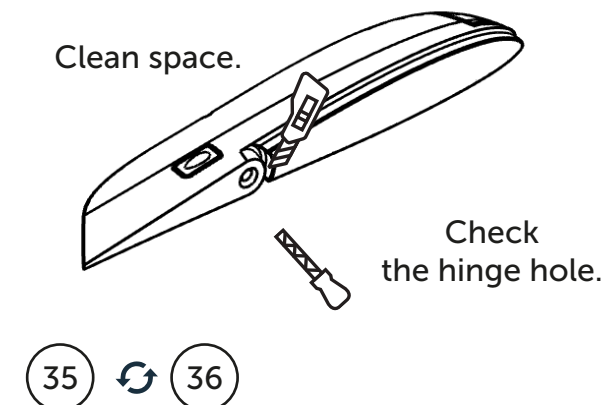
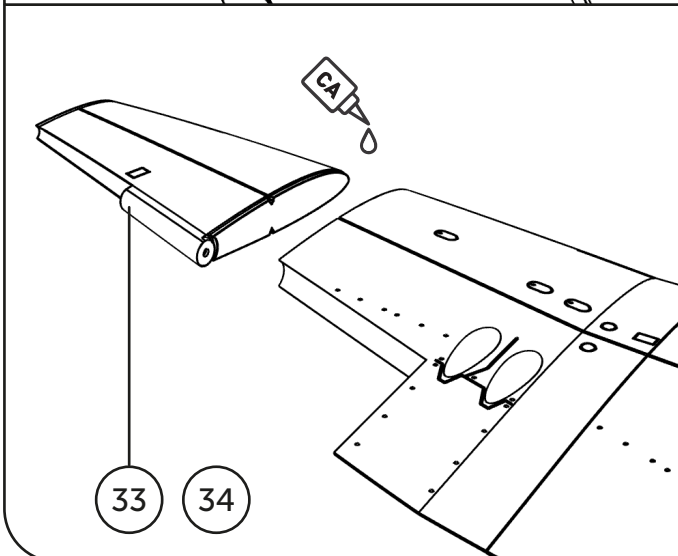
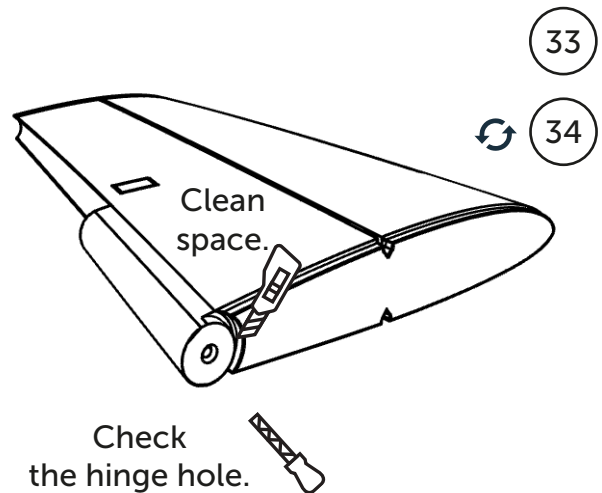
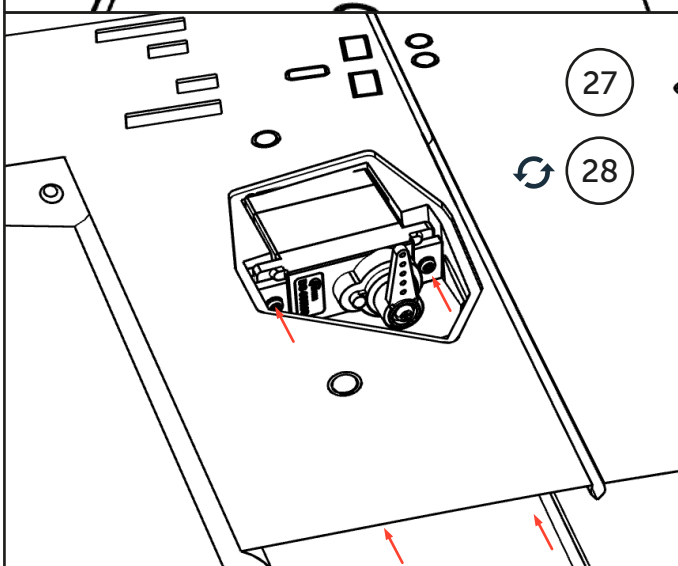
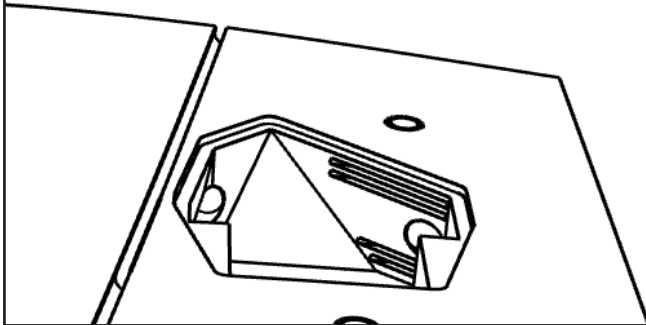
Option - aileron servos

A good time to install the servos on the original rubber bushings.
Good access to the servo screws.

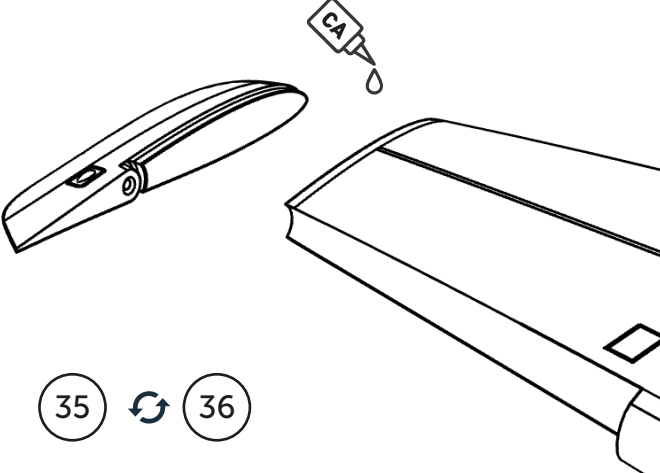
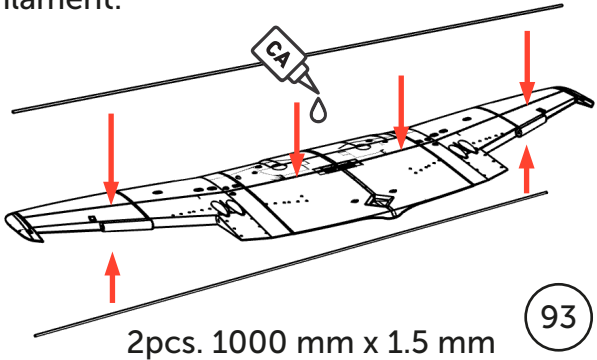
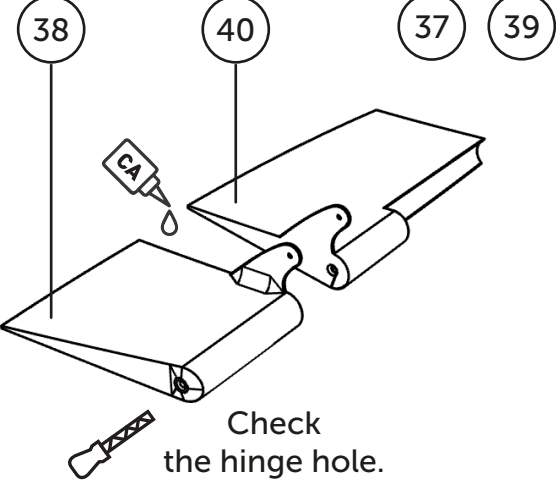
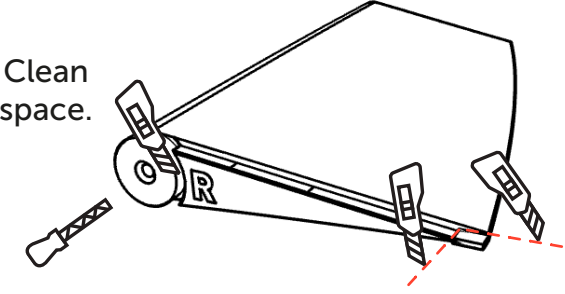
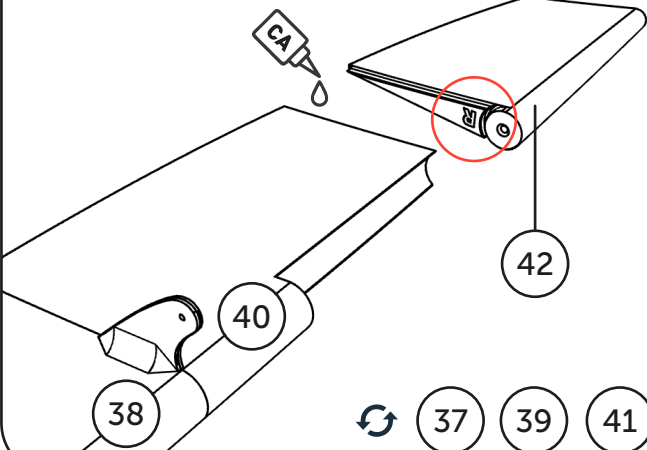
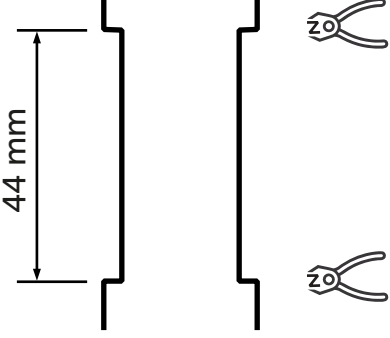
Corona DS-939 MG



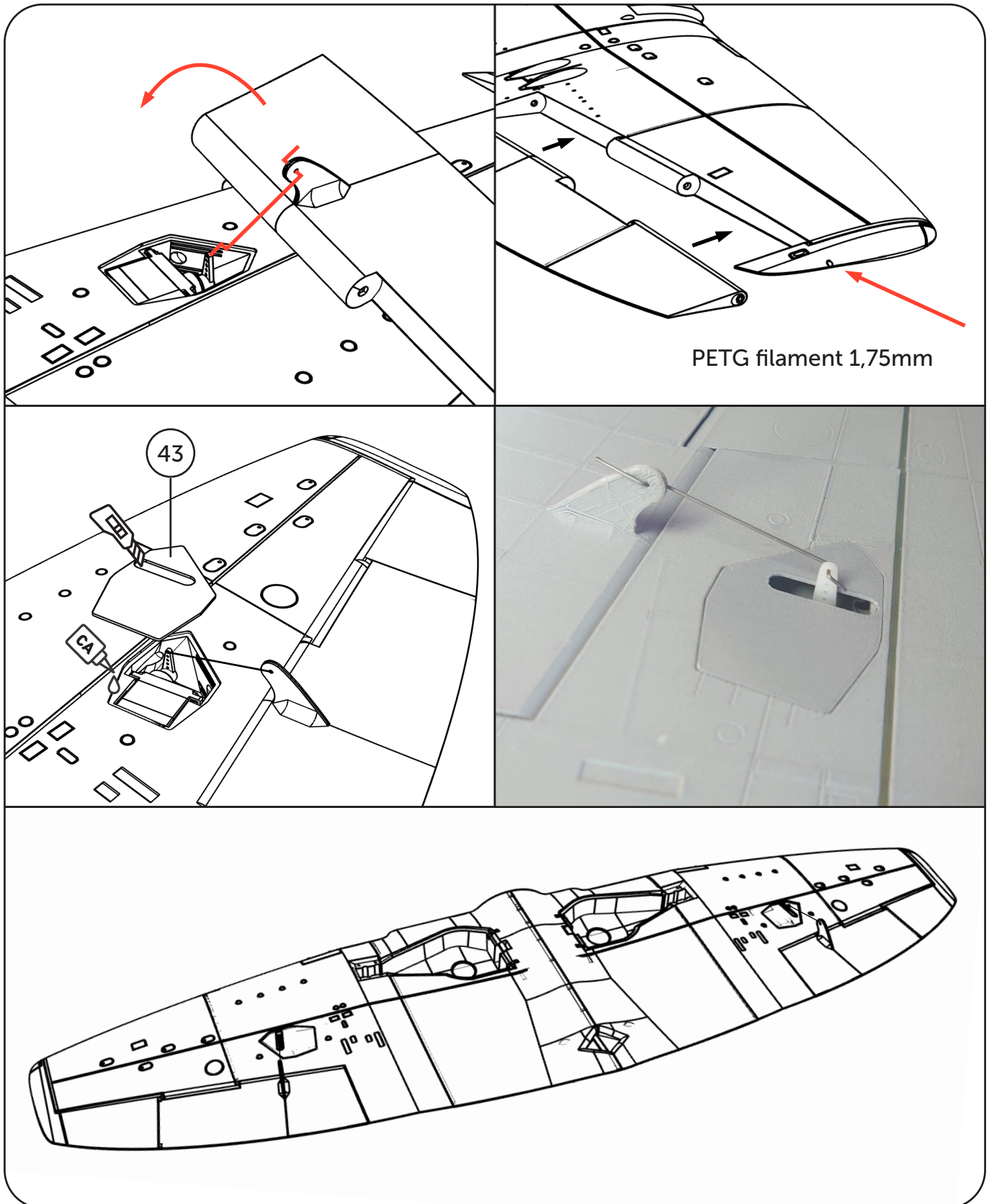
miniservo 23 x 12 x 26 mm (12,5g)



Wing assembly Hawker Tempest Mk.II

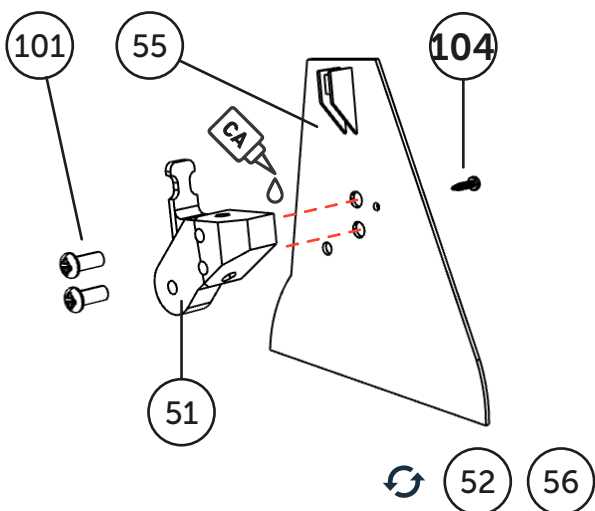
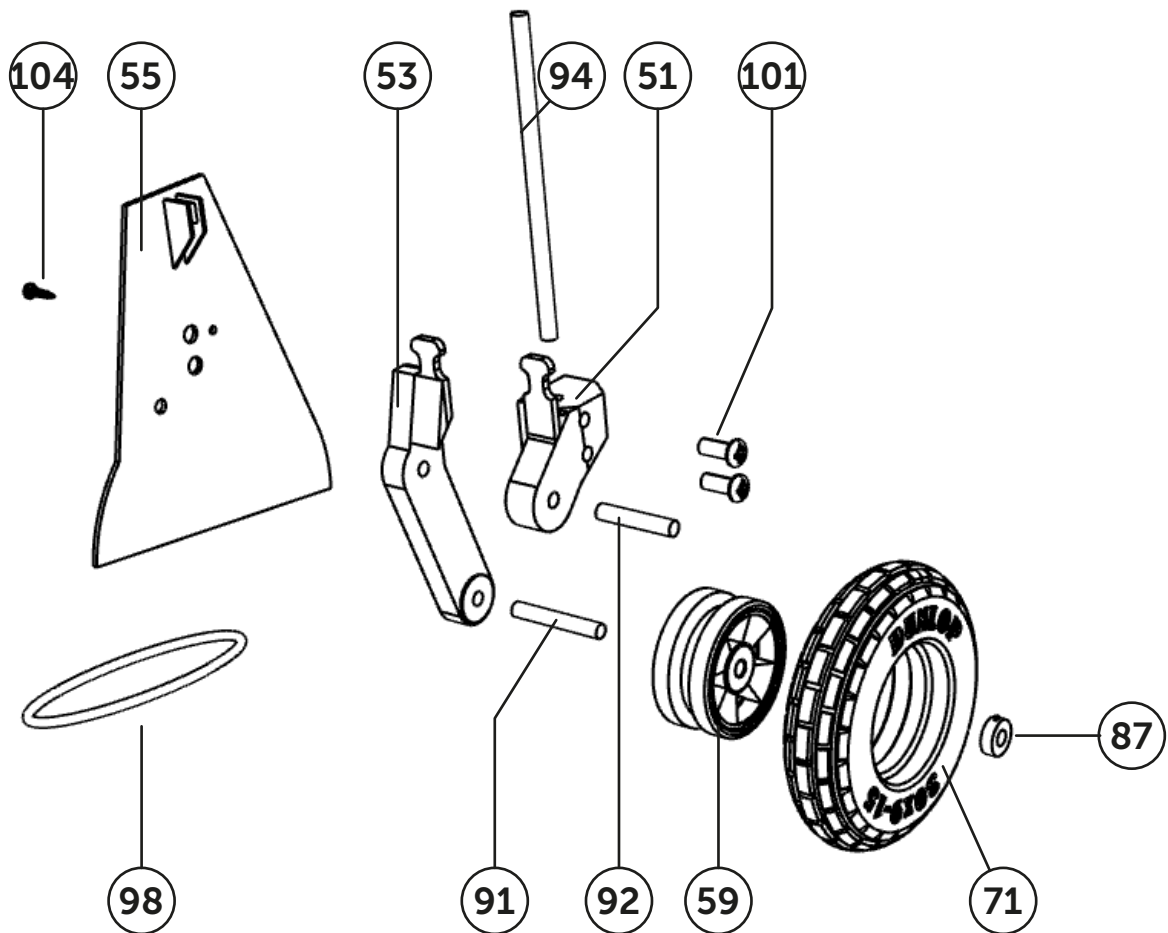
 35 ↺ 36	Main wing spars. Press and glue 1.5 mm carbon rod into the upper and lower slots. You can use a piece of PETG filament.  2pcs. 1000 mm x 1.5 mm 93
 38 40 37 39 Check the hinge hole.	42 ↺ 41  Clean space. Check the hinge hole. Cut out the support. Clean corner by knife.
 38 40 37 39 41 42	96 2 pieces of 1 mm diameter steel wire for aileron control linkages.  44 mm

Wing assembly Hawker Tempest Mk.II

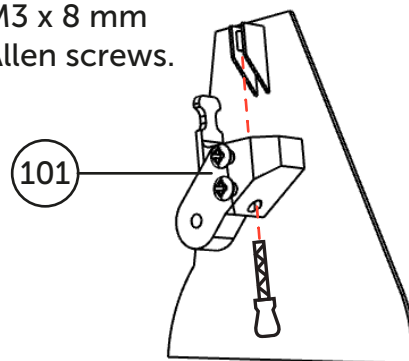


Landing gear assembly Hawker Tempest Mk.II

Breakdown of the LEFT landing gear leg.

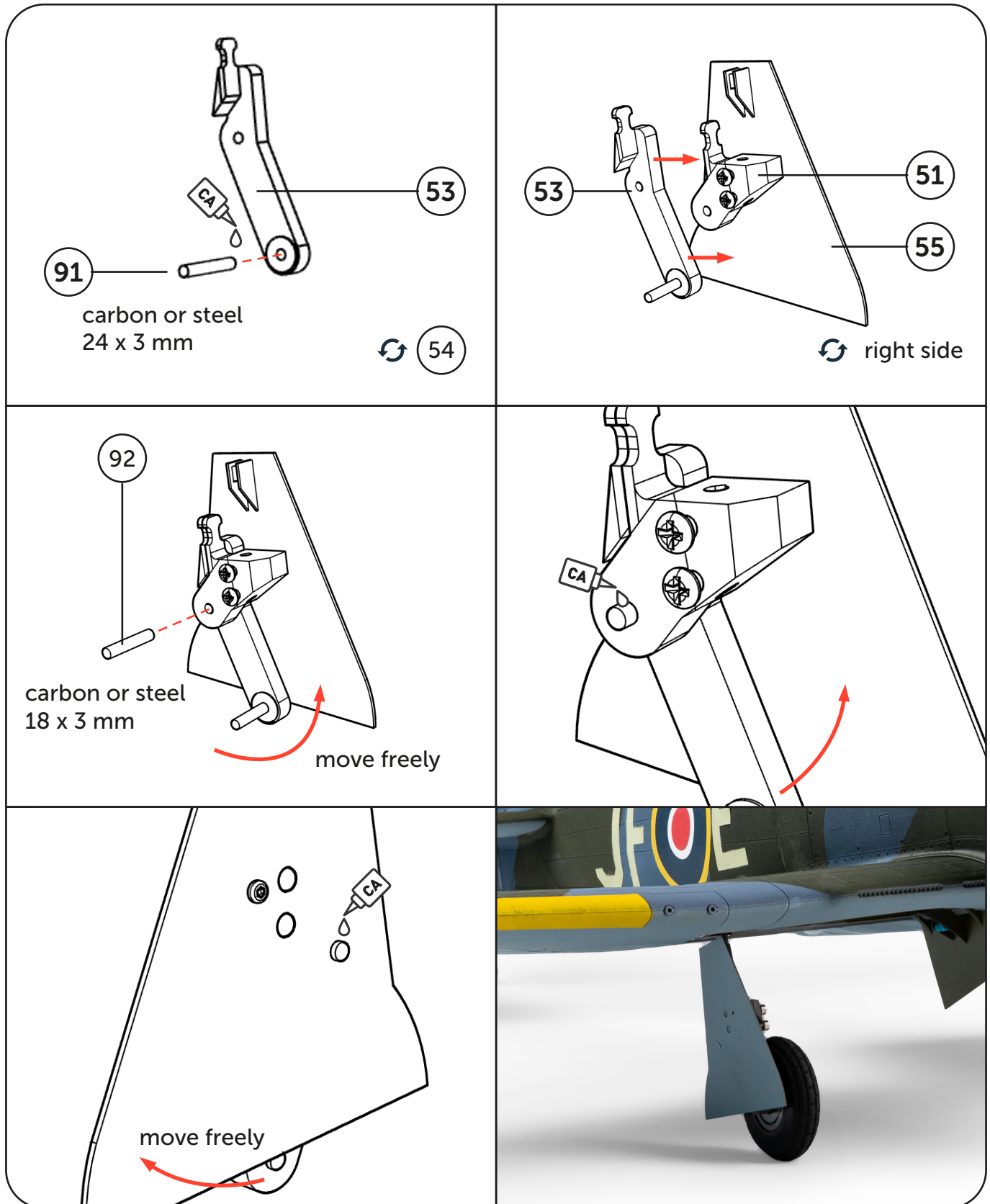


Create an M3 thread simply by screwing it in and pressing it out. Best used with M3 x 8 mm Allen screws.

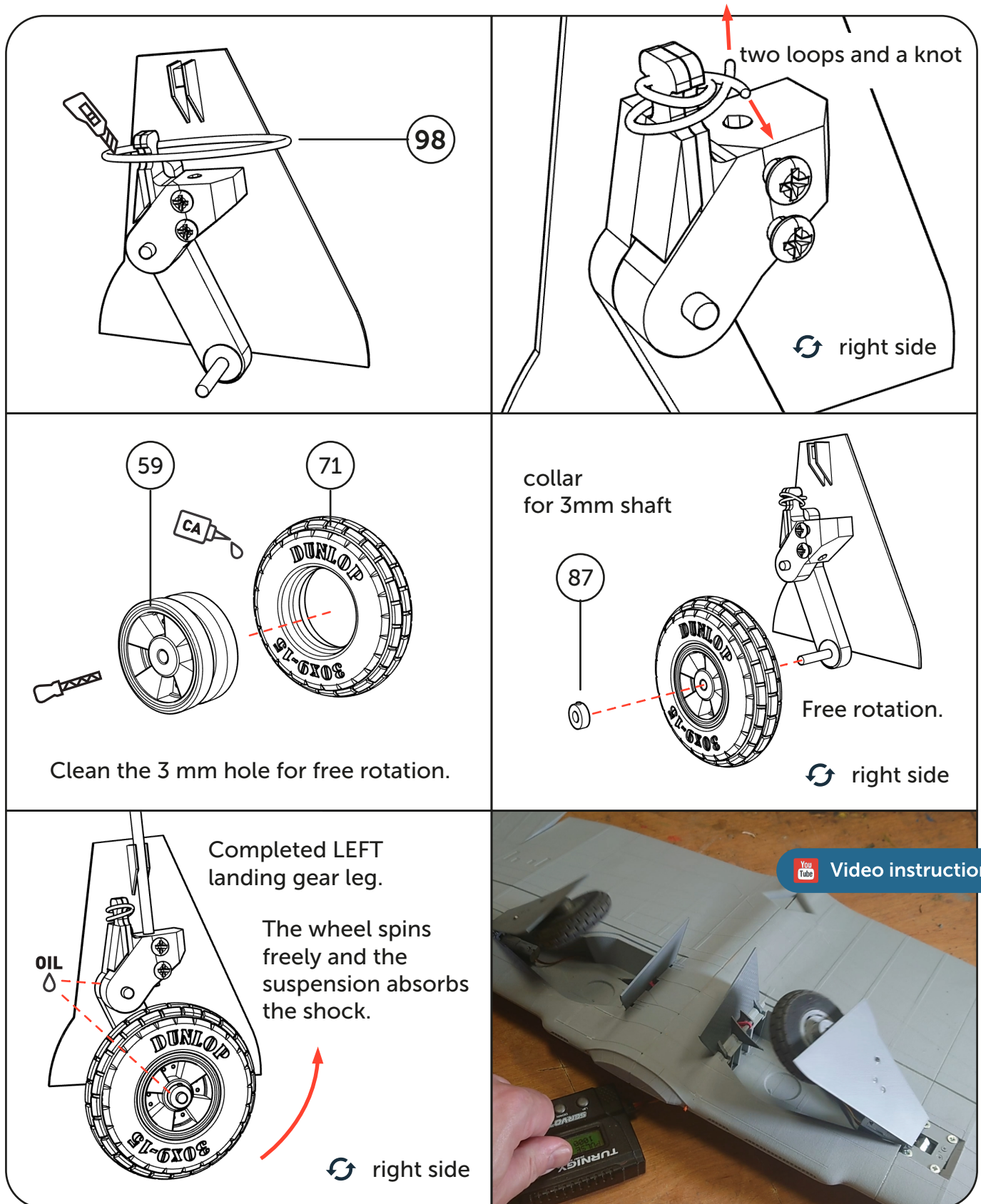


Clean the 3 mm hole for steel rod.

Landing gear assembly Hawker Tempest Mk.II



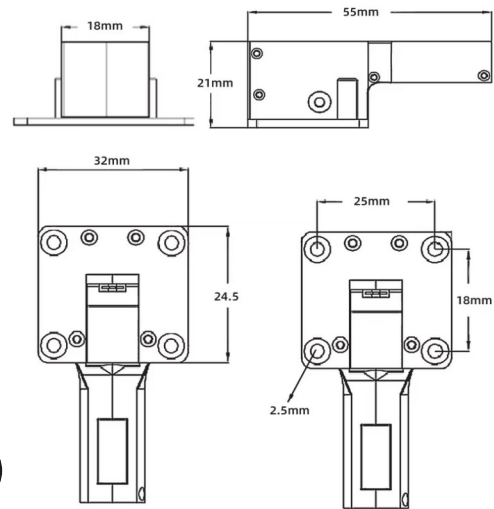
Landing gear assembly Hawker Tempest Mk.II



Landing gear assembly Hawker Tempest Mk.II

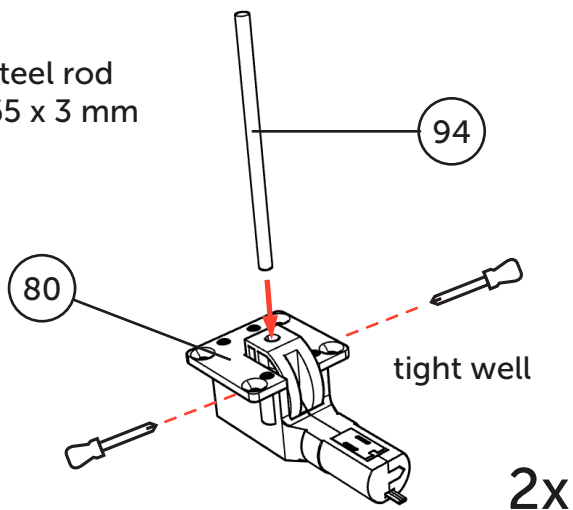
PZ-15094M 25g Mini Electric Servoless Retract
for 1kg planes.
Base plate 32 x 24,5 mm
Pin: 3 mm

Shop:
[RC Castle](#)
[AliExpress](#)
[Towerhobbies](#)
[Hobbyking](#)



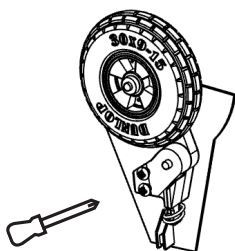
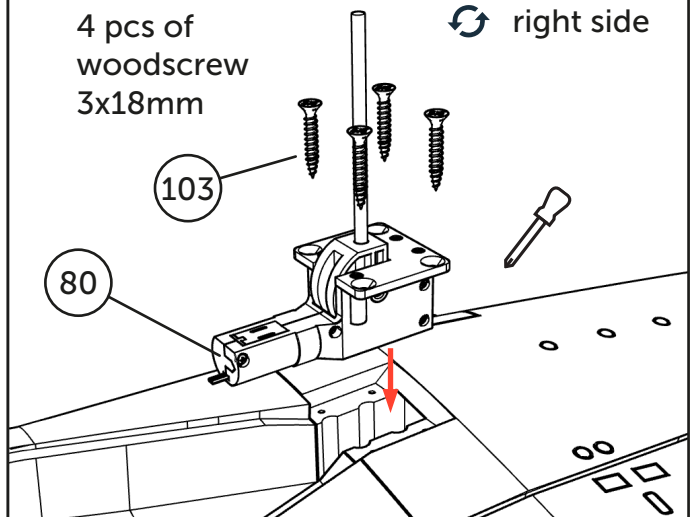
80

steel rod
65 x 3 mm

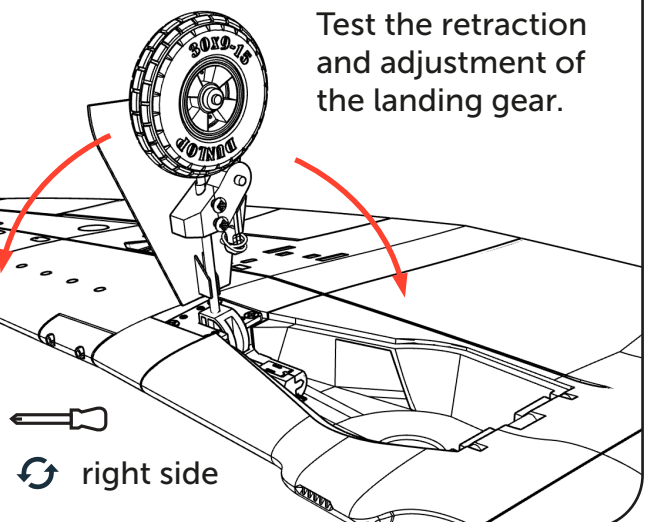


4 pcs of
woodscrew
3x18mm

↻ right side



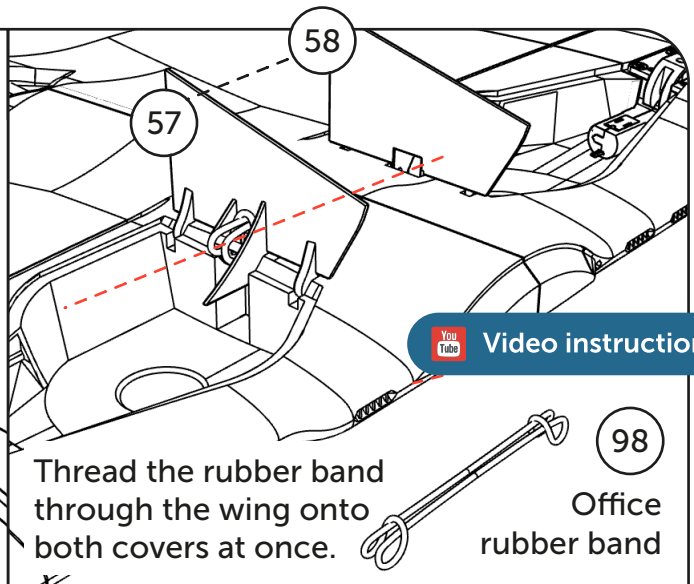
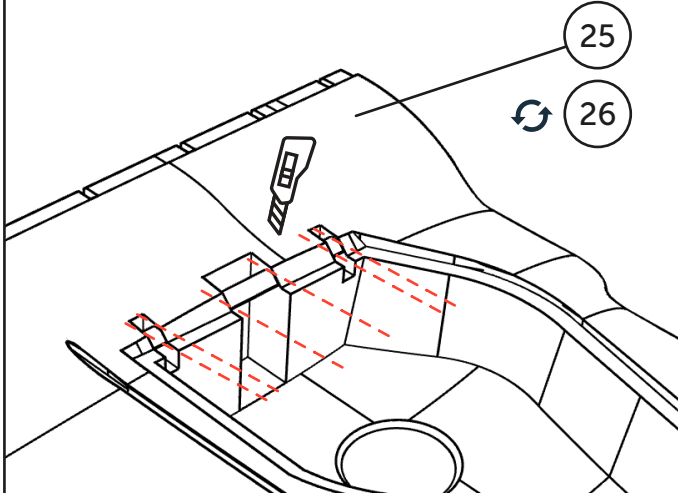
Test the retraction
and adjustment of
the landing gear.



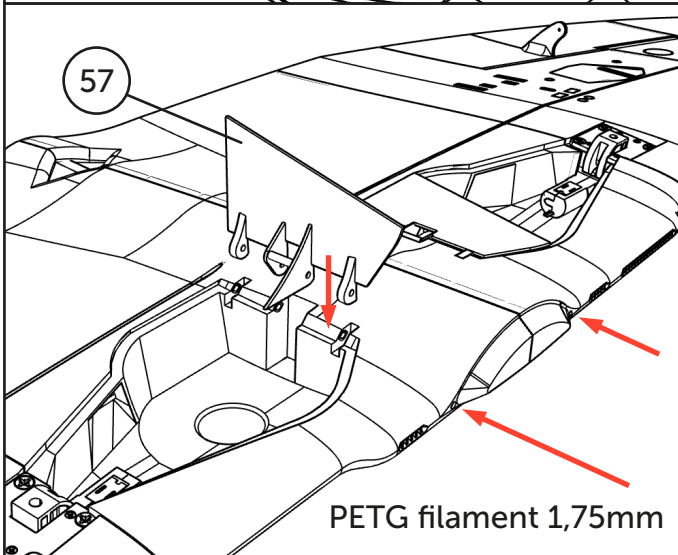
↻ right side

Landing gear assembly Hawker Tempest Mk.II

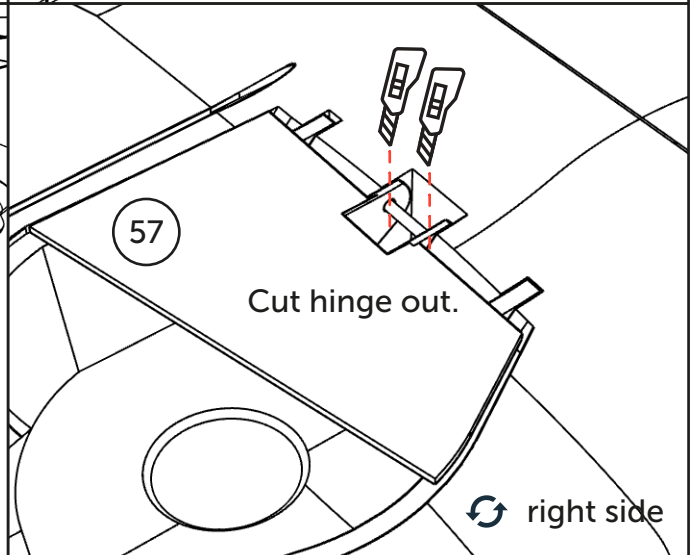
Cut out cover hinge supports.



Thread the rubber band through the wing onto both covers at once.



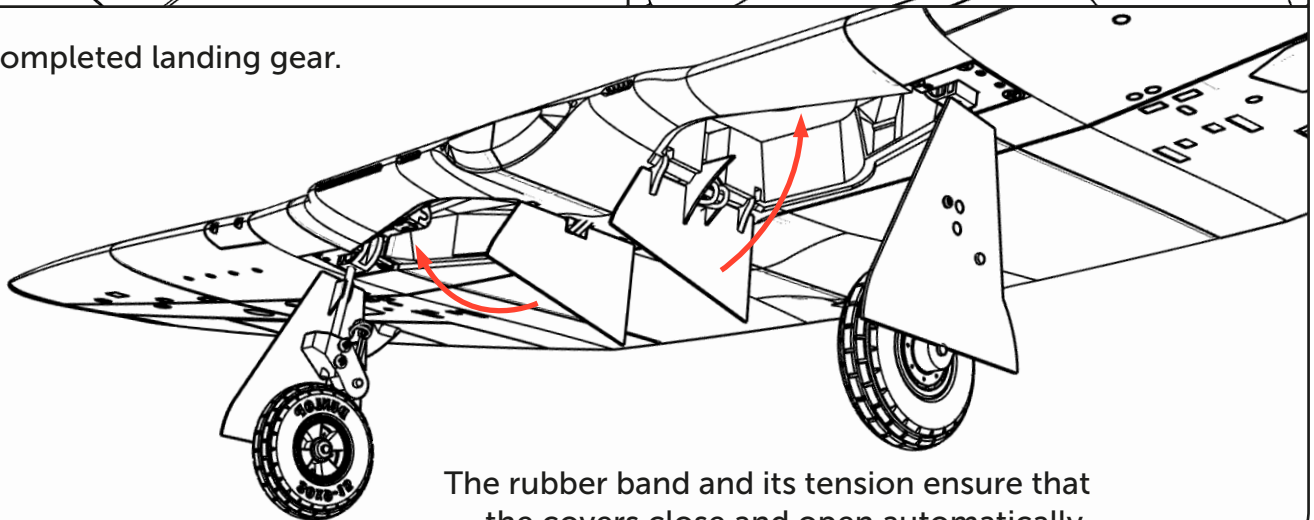
PETG filament 1,75mm



Cut hinge out.

right side

Completed landing gear.

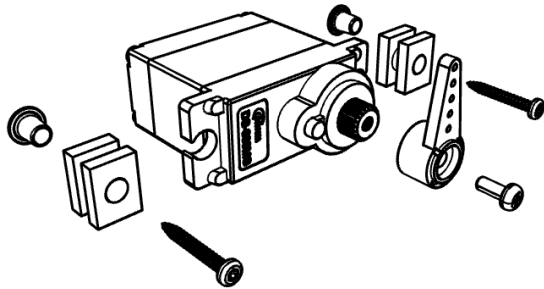


The rubber band and its tension ensure that the covers close and open automatically.

Completion of the Hawker Tempest Mk.II

Corona DS-939 MG

81



miniservo 23 x 12 x 26 mm (12,5g)

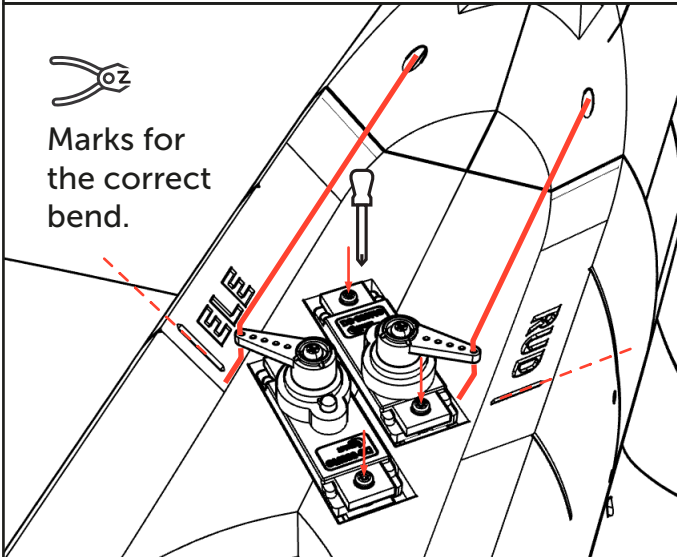
27

28

You already have the servos in the wing from when you built it.



Marks for
the correct
bend.



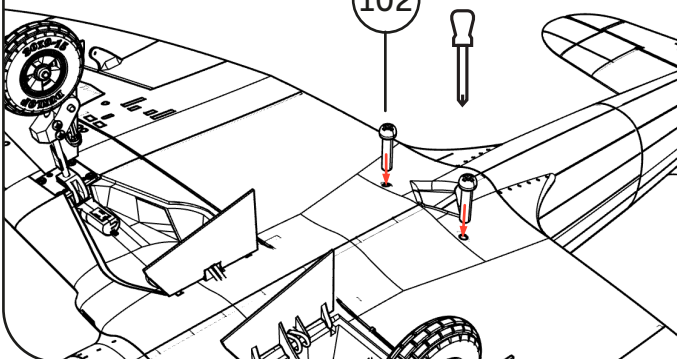
foto



Option - screw fastening

Required for the version with landing gear.
Polyamid M5 x 40

102



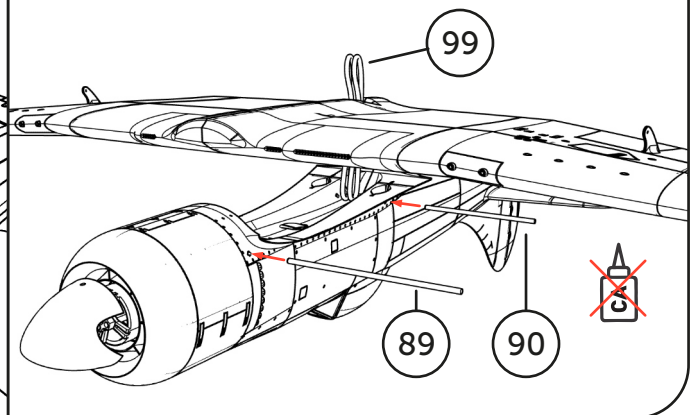
Option - rubber band fix

Suitable for the belly lander version.

99

89

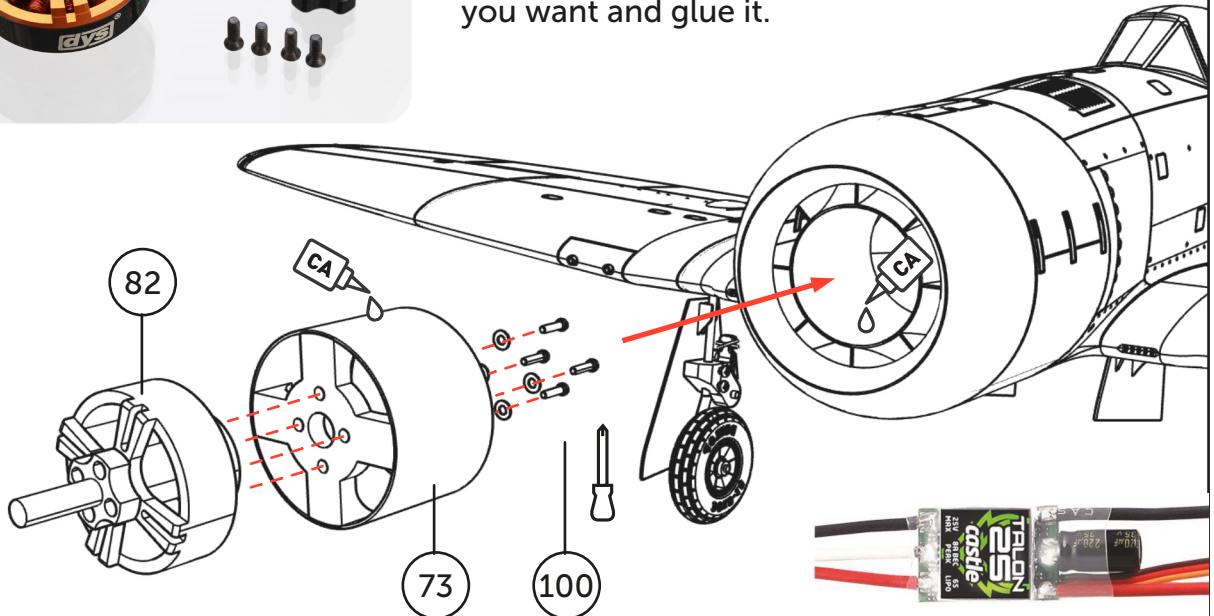
90



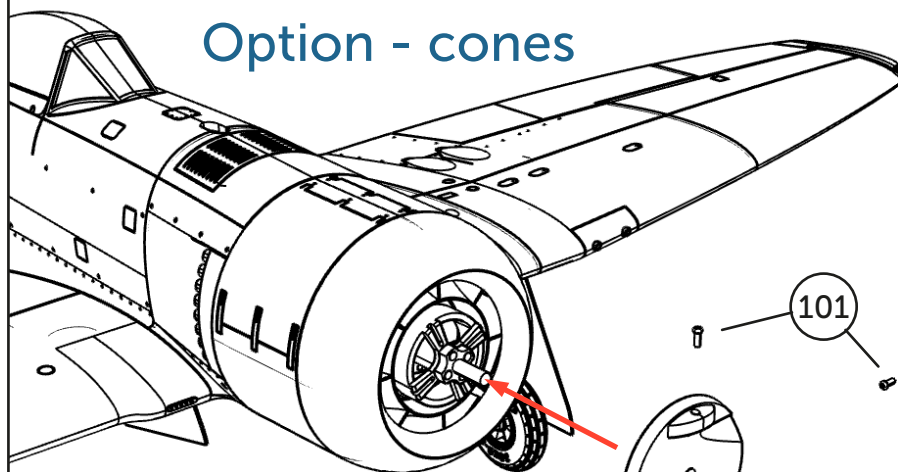
Completion of the Hawker Tempest Mk.II



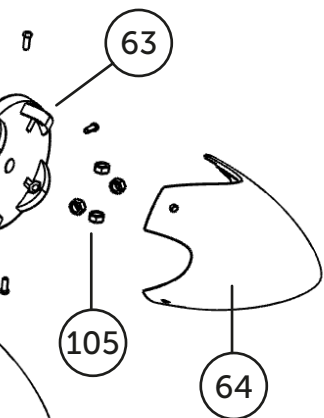
Suitable mount for every motor 16 x 19 mm or 19 x 19 mm or 25 x 19 mm.
All together simply push to the hole deep as you want and glue it.



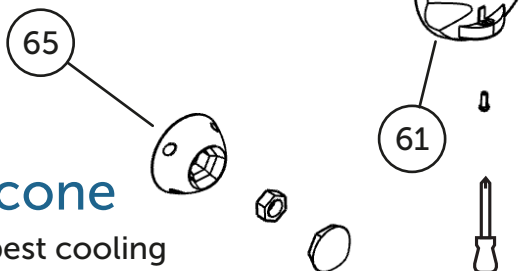
Option - cones



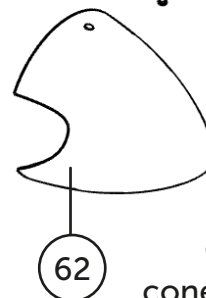
4 blade prop.
cone for 4 blade propeller



sport cone
cone for best cooling

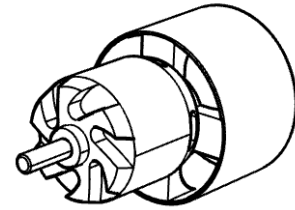


2 blade prop.
cone for 2 blade propeller



Normal setup

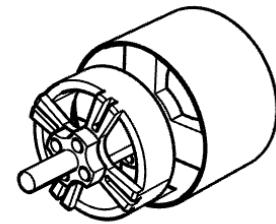
Motor: Outrunner 3536 / 910KV, or similar
[C3536 / 910KV](#) (for 3S setup)
 ESC: any 40A/3s, [opt1](#), [opt2](#) or similar
 Propeller: two blade 10 x 6 or 10 x 5,5
 Battery: Li-Pol 2200mAh / 3-4S battery pack
 printed PET motor mount 16 x 19 mm



390 – 440 W

ACES setup

Motor: DYS D4215 650KV (for 6S setup)
 EMAX MT 3510 600KV (for 6S setup)
 ESC: CastleCreation Talon 25A / 6S or similar
 Propeller: two blade Aeronaut CAM Carbon Light 10 x 6
 or APC Electro 10 x 5,5
 Battery: Li-Pol TATTU GensAce 2200mAh 6S battery pack
 printed PET motor mount 16 x 19 mm



550 – 630 W

Painting & marking

Another advantage of LW-PLA is that it can be dyed with almost anything. The surface for self-adhesive decals is ideally treated with a clear acrylic spray varnish.

You could print and cut the PDF in scale from thin self adhesive advertisement foil and place it on the model as needed. The decals are included with the product in PDF format



Go flying

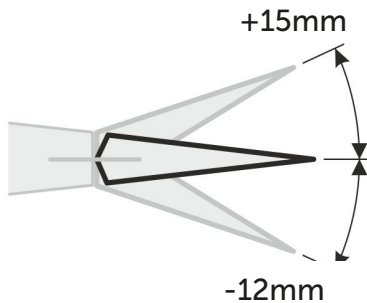
Install your receiver, connect battery, setup servos and etc. with your transmitter, check servo position, then install propeller.

Make sure the battery is positioned properly and secured with velcro or battery holder, if battery moves during flight it can shift the center of gravity backwards and aircraft will become uncontrollable!

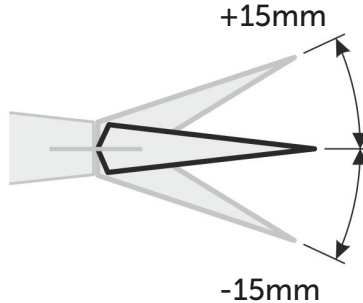
For the first flights we recommend setting the center of gravity to around 5 mm forward of the CoG - nose heavy, this increases the stability (you can use heavier battery). Increasing expo settings on your transmitter for elevator and ailerons to 80 % calms response from your stick inputs. Also you can decrease elevator, rudder and ailerons deflection to calm down the plane.

Make sure the battery is well fixed in proper position. If it moves during flight it will cause shifting of CoG aft and will result in uncontrollable flight behavior.

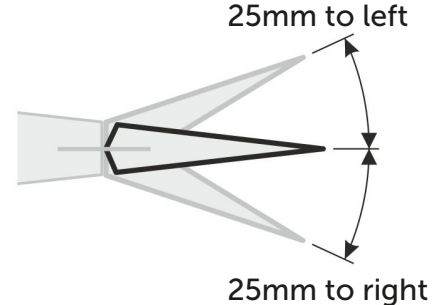
aileron



elevator



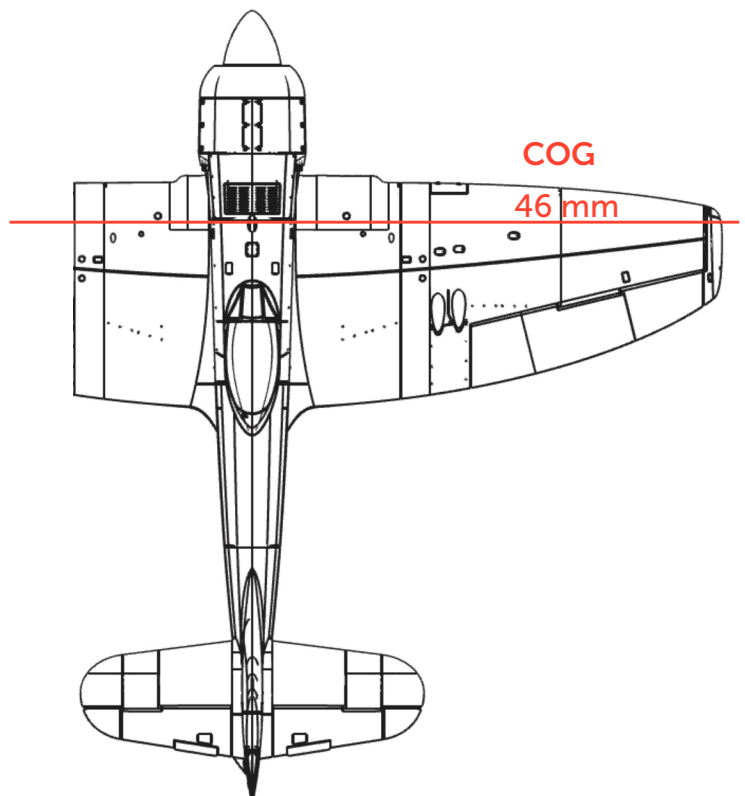
rudder



Flight video



Flight video



UPGRADES

Conversion set to MkV variant

Front fuselage and canopy section for Hawker Tempest MkV version.



Upgrade Set

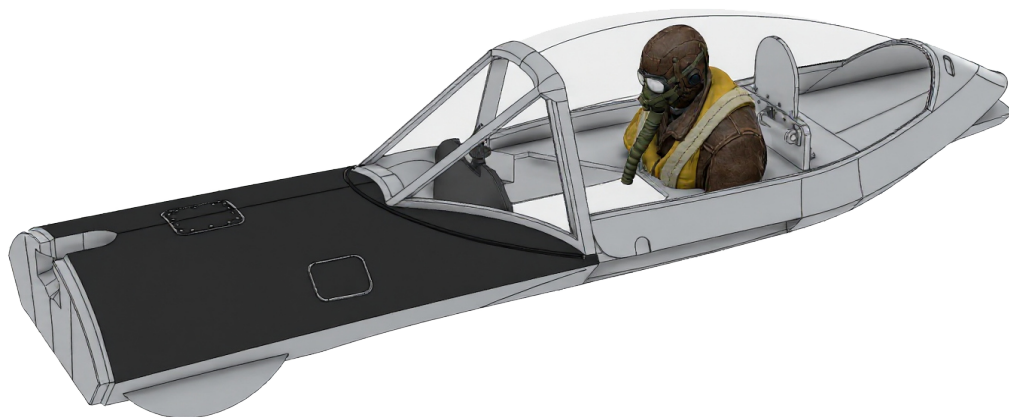


Scale cockpit and pilot

Clear canopy section with pilot and instrument panel.



Upgrade Set





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Enjoy your flight.

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Contact

Do you have any questions or need assistance?
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