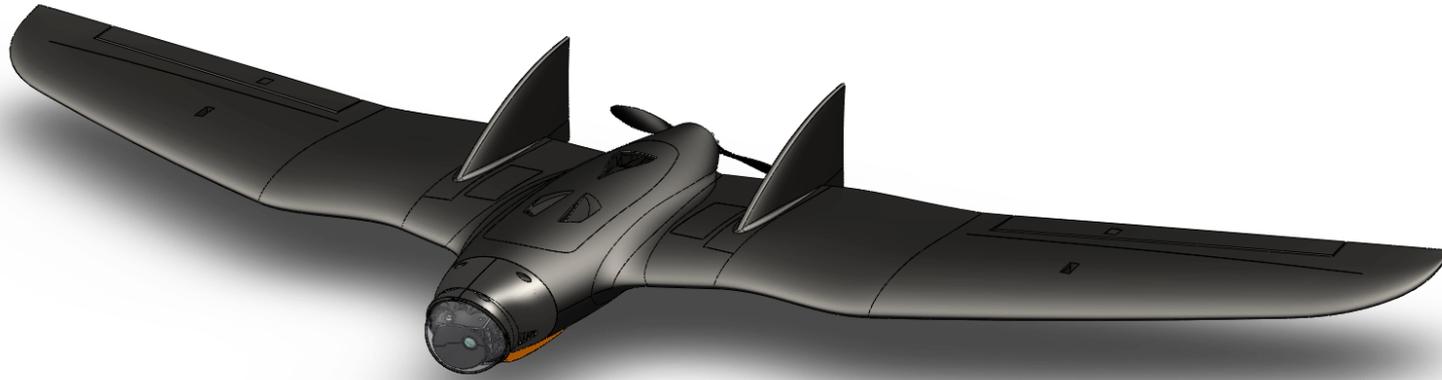
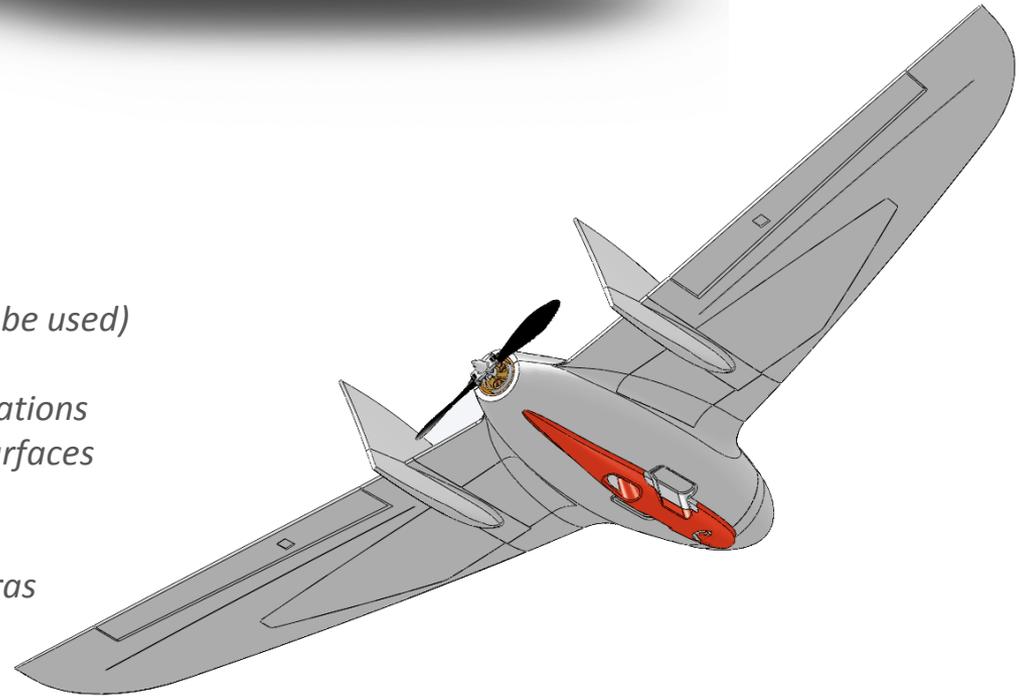


# RVJET Flying wing specially designed for FPV



## Features:

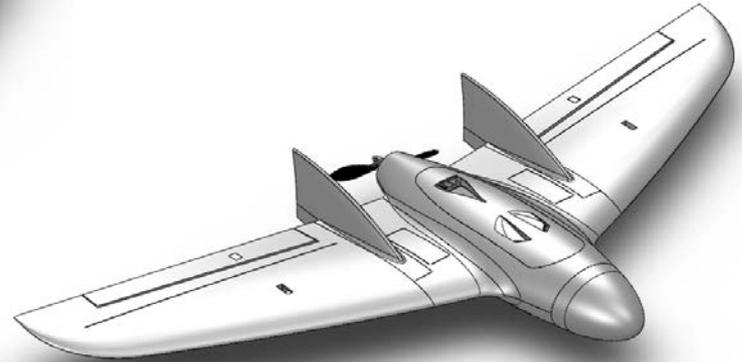
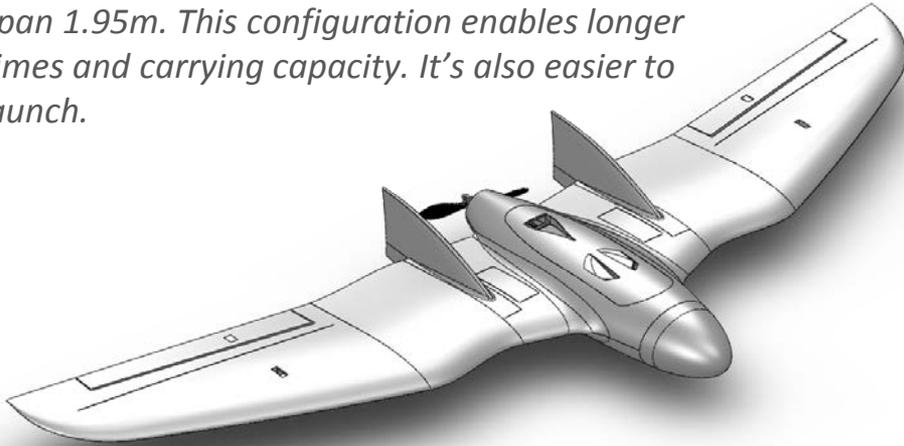
- Durable EPO in black or white
- Variable wing span 1.55m/1.95m
- Compact during transport (original packing can be used)
- Specially designed for RVOSD
- Bottom wing covers enables hidden wing installations
- Durable skid to protect the fuselage on rough surfaces
- Large hand grip enables safer hand throws
- Integrated hook for bungee launch
- Advanced nose gimbal for gopro or micro cameras
- Choose between EPO nose or gimbal
- No plywood!



# RVJET – Configuration overview

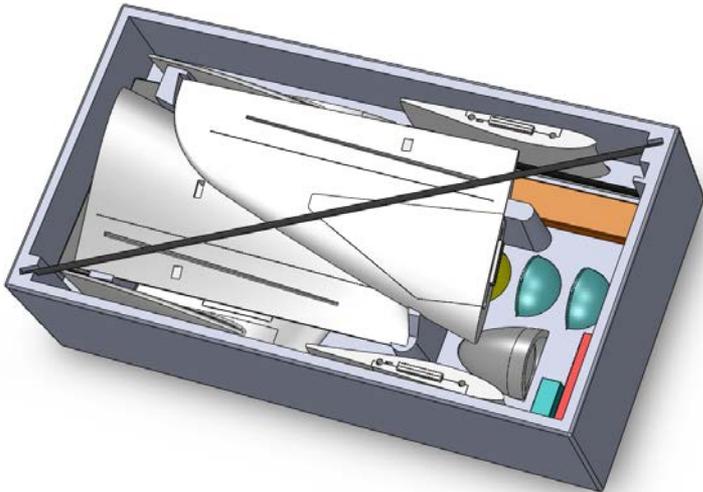
## **Long wing**

*Wing span 1.95m. This configuration enables longer flight times and carrying capacity. It's also easier to hand launch.*



## **Short wing**

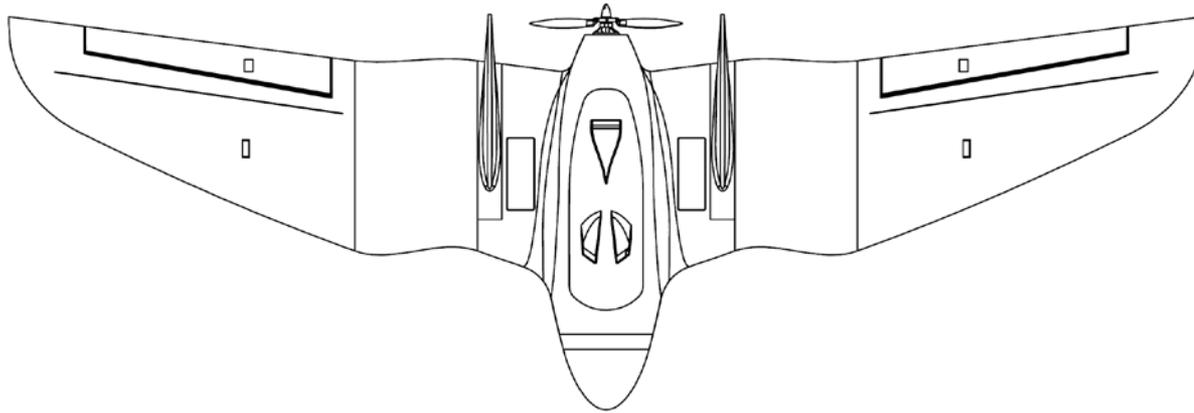
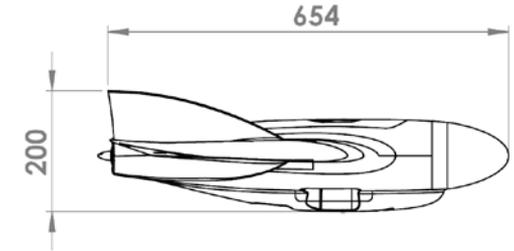
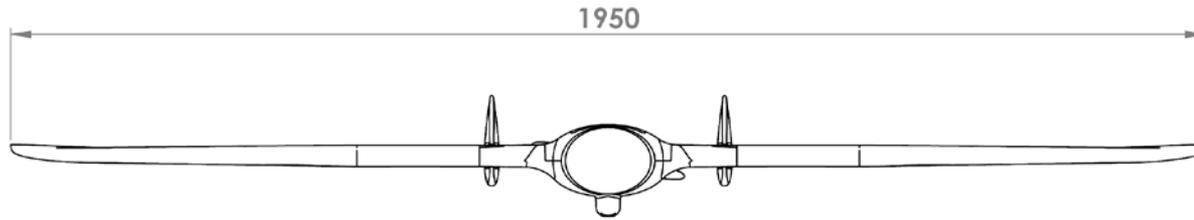
*Wing span 1.55m. This configuration enables faster response on the roll axis*



## **Transport and store**

*The RVJET comes packed in a foam interior which can be used to transport and store your model in between flights (when used with the long wings small adjustments are necessary)*

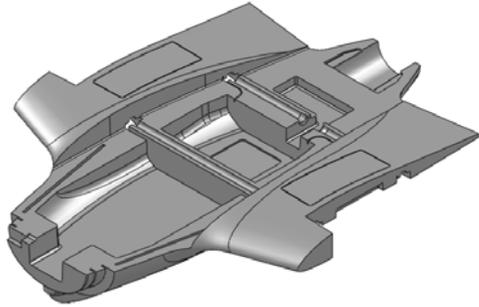
# IMPORTANT Read this before building



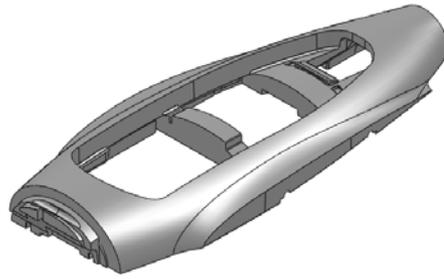
## **!! IMPORTANT !!**

- Please read through the **complete** instructions prior to assembly and follow them...
- Test fit each part before applying glue
- Make sure you know how and where you intend to install electronics before gluing parts together
- The servo must be centred and the servo horn must be attached before it is glued into the wing
- Ensure that the skid and motor mount is properly glued to the fuselage
- CA glue is recommended to use

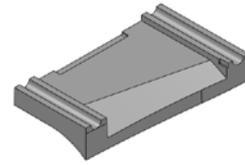
# RVJET – Parts overview 1/2



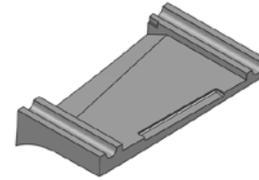
1x  
BOTTOM FUSELAGE



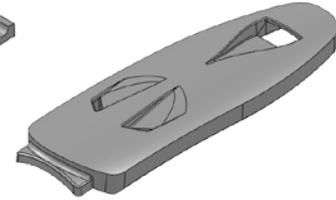
1x  
TOP FUSELAGE



1x  
FUSELAGE RIGHT COVER



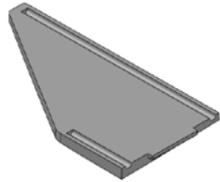
1x  
FUSELAGE LEFT COVER



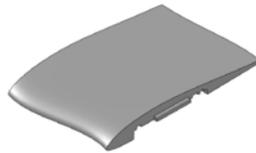
1x  
FUSELAGE TOP HATCH



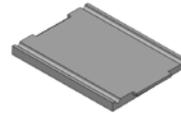
1x  
RIGHT WING



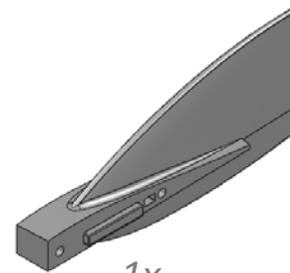
1x  
RIGHT WING COVER



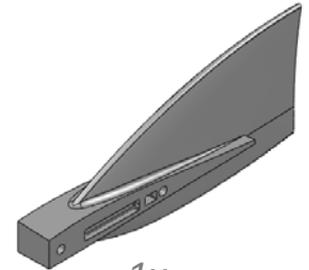
1x  
RIGHT WING  
EXTENSION



1x  
RIGHT WING  
EXTENSION COVER



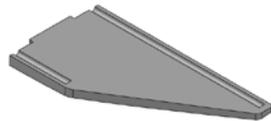
1x  
RIGHT FIN



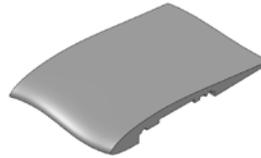
1x  
LEFT FIN



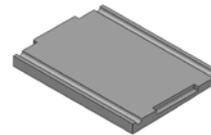
1x  
LEFT WING



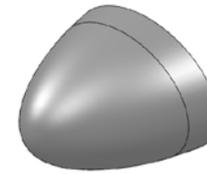
1x  
LEFT WING COVER



1x  
LEFT WING  
EXTENSION



1x  
LEFT WING  
EXTENSION COVER

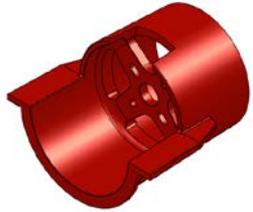


1x  
NOSE



1x  
SKID

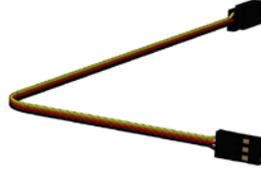
# RVJET – Parts overview 2/2



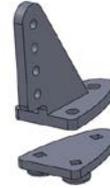
1x  
MOTOR MOUNT



2x  
WING SERVO



2x  
SERVO CABLE



2x  
CONTROL  
HORNS



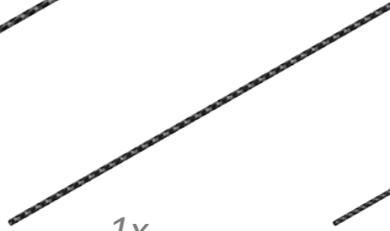
2x  
LINKAGE  
STOPPER



2x  
PUSHROD



1x  
CF TUBE  
990



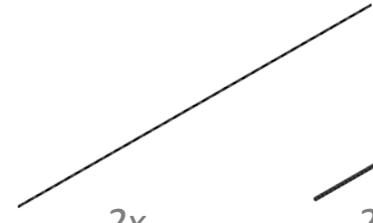
1x  
CF TUBE  
795



1x  
CF TUBE  
595



1x  
CF TUBE  
JOINER



2x  
CF STRIP



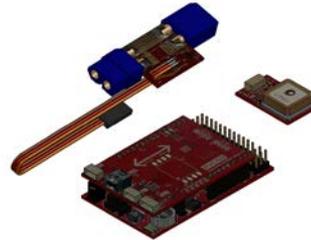
2x  
CF TUBE  
SQUARE



1x  
POWER PACKAGE  
[sold separately]



1x  
VIBRATION MOUNT  
[sold separately]



1x  
RVOSD  
[sold separately]

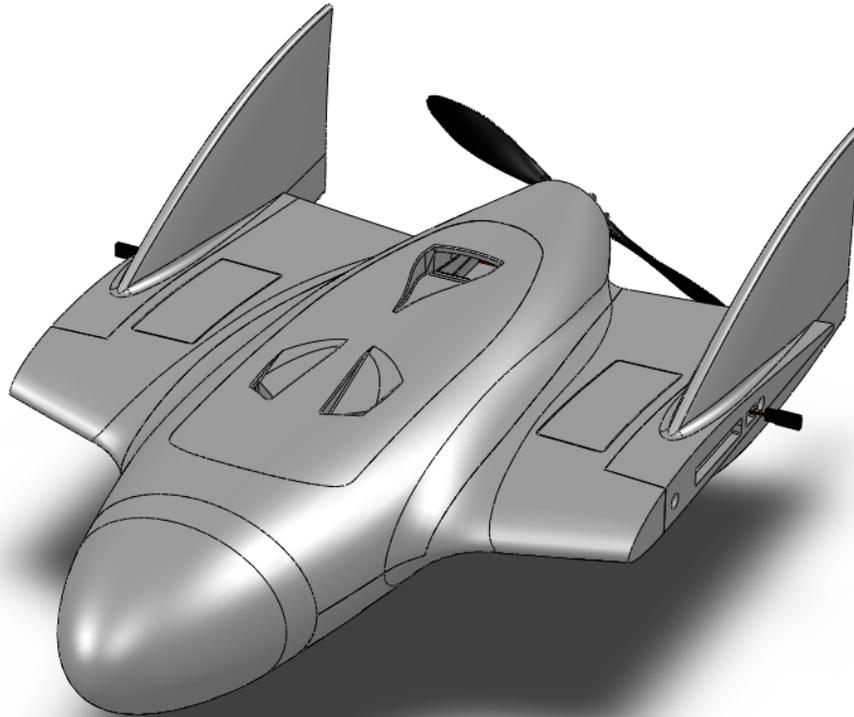


1x  
BATTERY  
[sold separately]

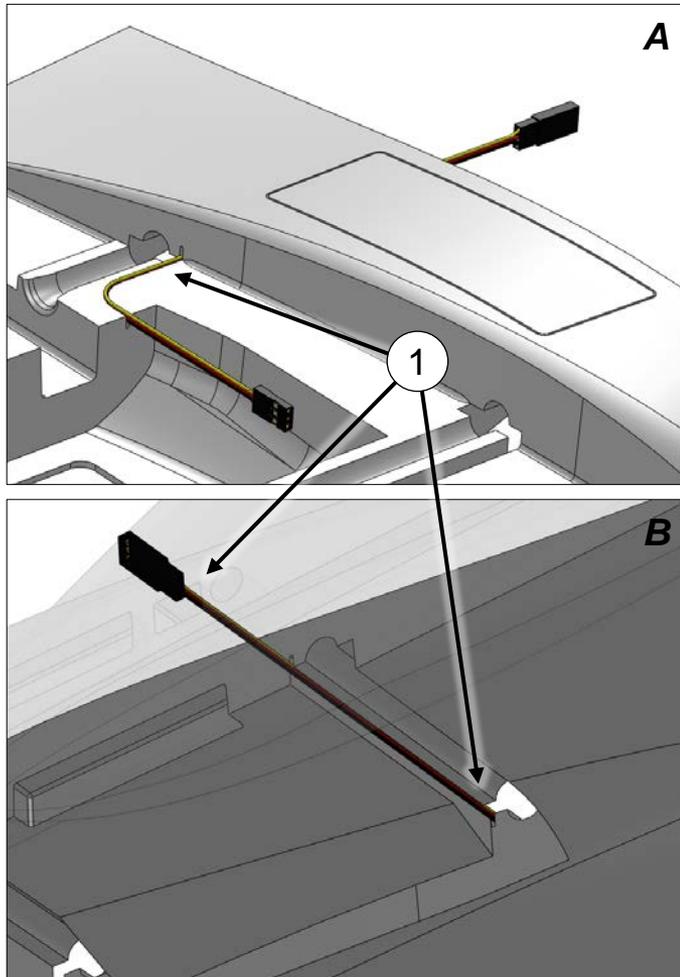


1x  
CA GLUE  
[sold separately]

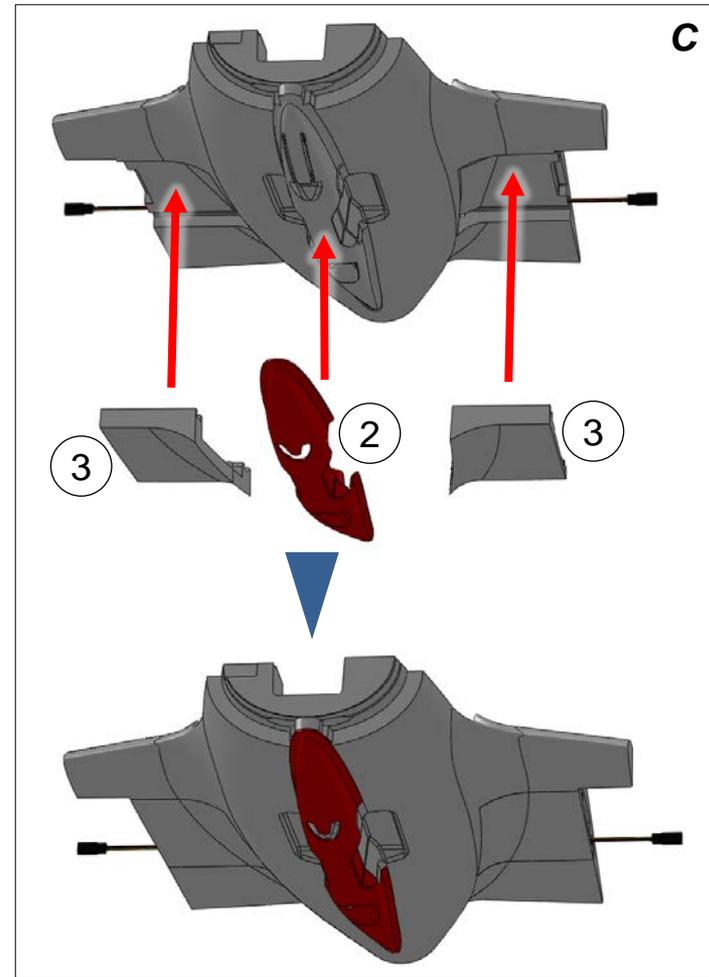
*Assembly Instructions for the*  
**RVJET FUSELAGE**



# RVJET – Fuselage Assembly 2/5

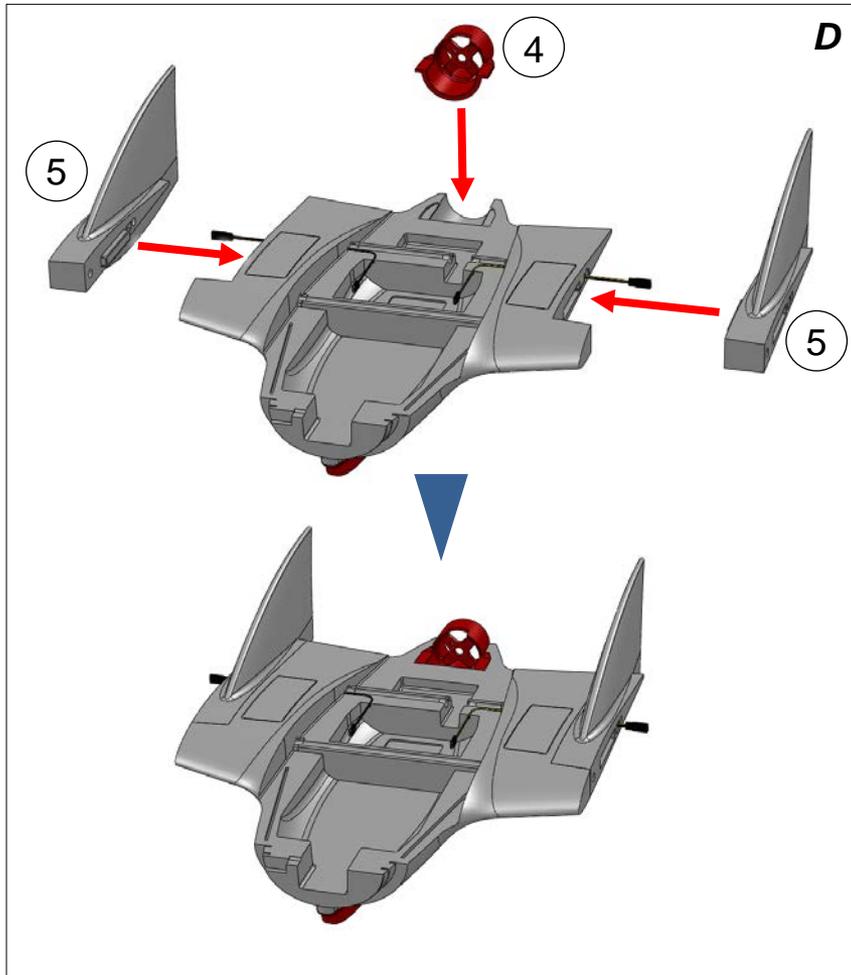


1. Route servo cables from the inside of the bottom fuselage in to the wings  
*! Ensure there's enough cable inside to reach the RVOSD*  
*! Test mount the fins and make sure the other connector reaches through the hole in the fins*



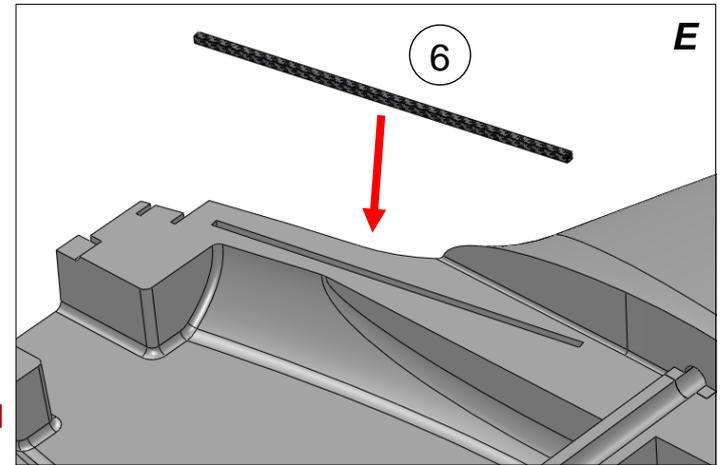
2. Glue the skid to the bottom fuselage  
*! Make sure the whole surface between the parts is glued*
3. Glue the left and right covers to the bottom fuselage

# RVJET – Fuselage Assembly 3/5

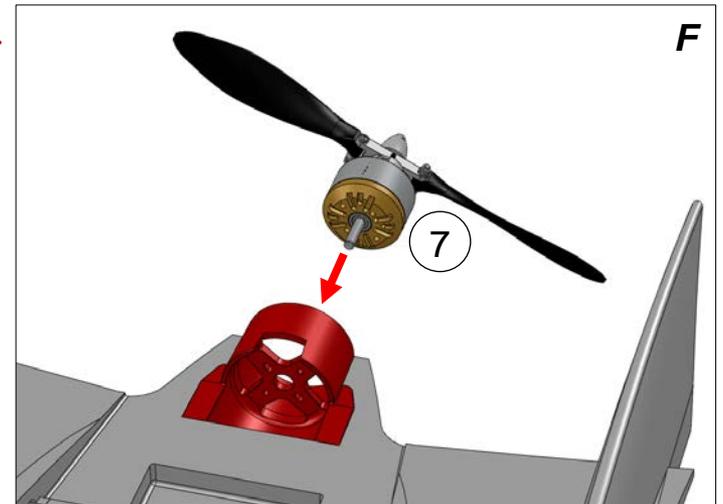


4. Glue the motor mount to the bottom fuselage  
*! Make sure the whole surface between the parts is glued*

5. Glue the left and right fins to the bottom fuselage  
*! Ensure the servo cables exits through the square holes*

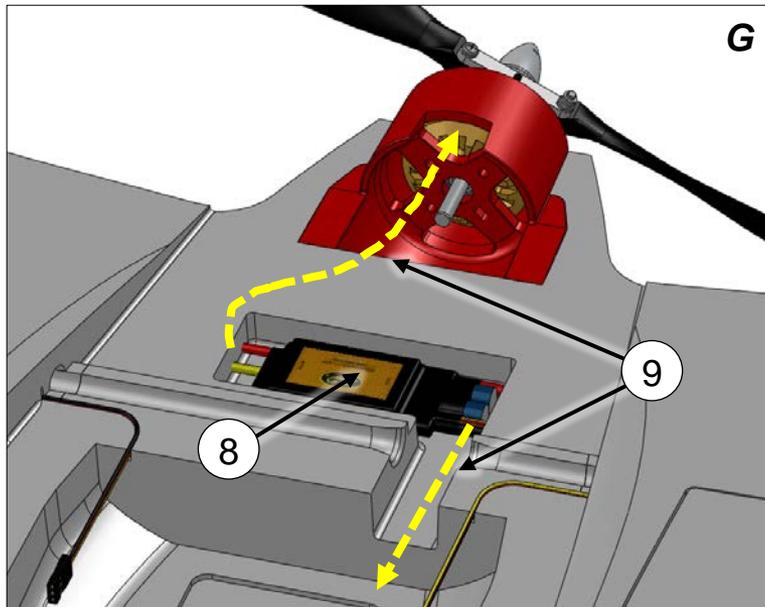


6. Glue the square CF-tubes into the recesses in the front of the bottom fuselage



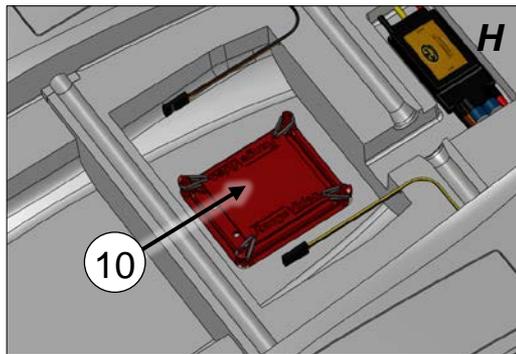
7. Install the motor to the motor mount  
*! Any adjustment to the thrust angle is easiest to do now*

# RVJET – Fuselage Assembly 4/5

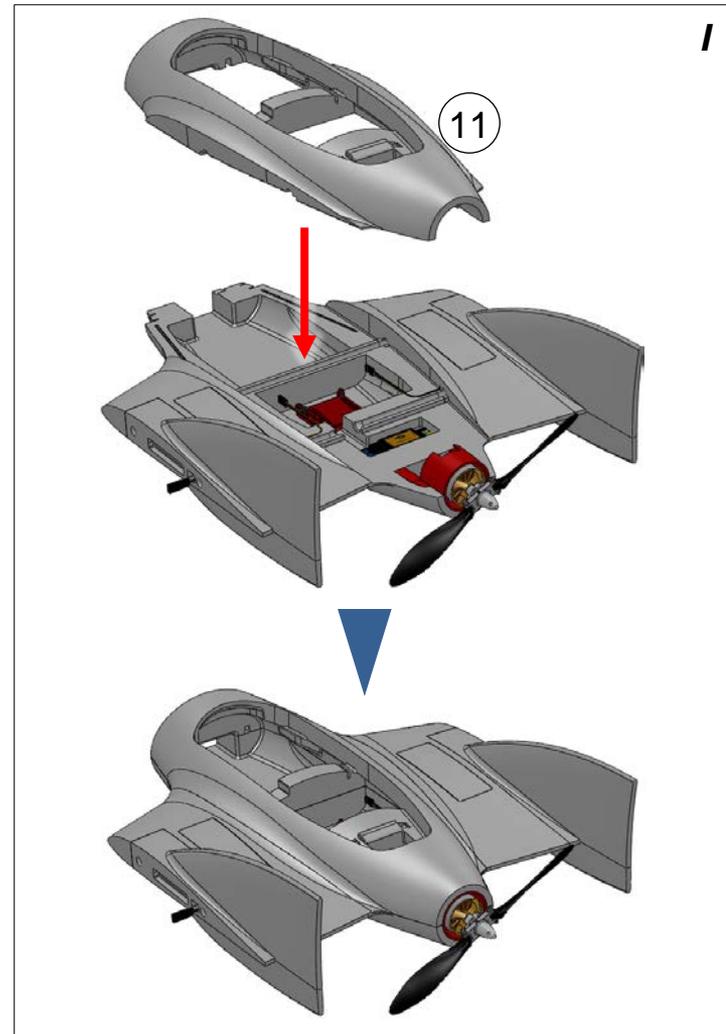


8. Install the ESC between the CF-tube and motor mount

9. Connect ESC to motor and route power and signal cable  
*! Ensure the ESC and motor is connected so that the motor spins in the correct direction*

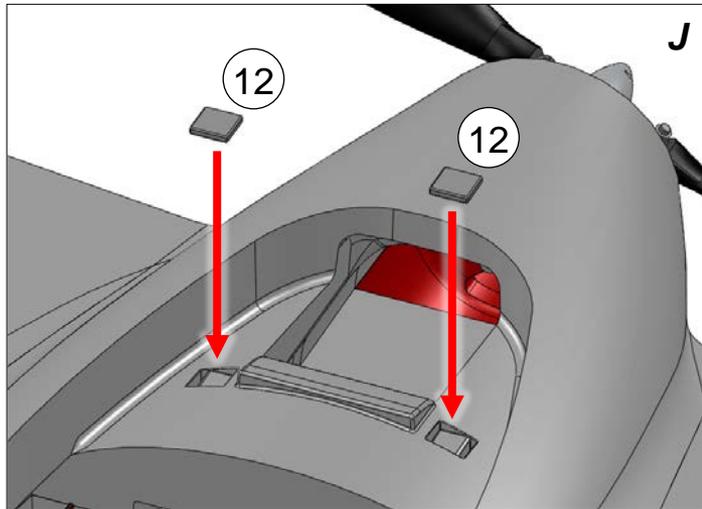


10. Install  
Vibration mount  
in the small recess

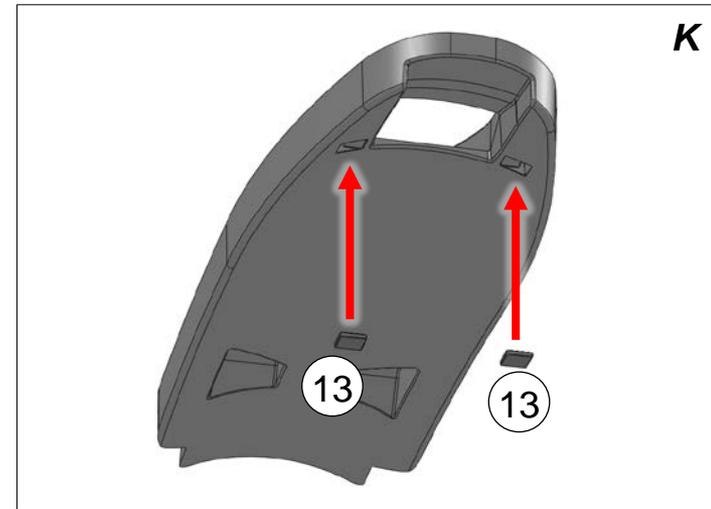


11. Glue the top fuselage to the bottom fuselage  
*! Make sure the whole surface between the parts is glued*  
*! Ensure the motor mount is also glued to the top fuselage*

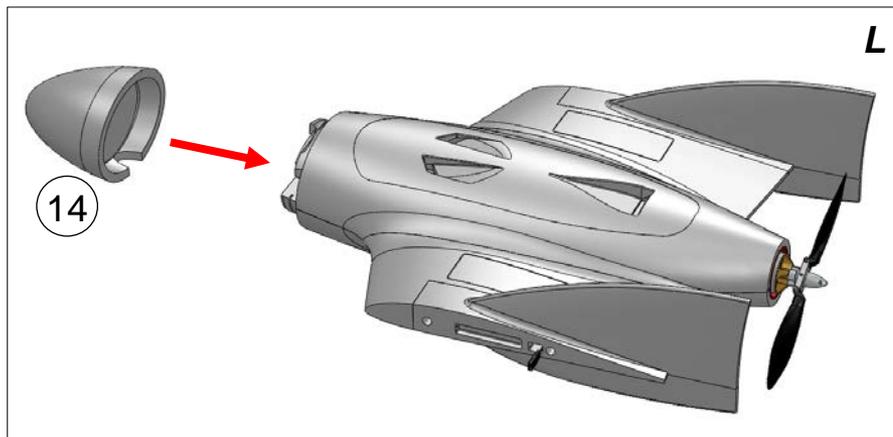
# RVJET – Fuselage Assembly 5/5



12. Glue magnets either horizontal (normal) or if the magnets are super strong a vertical position is also possible

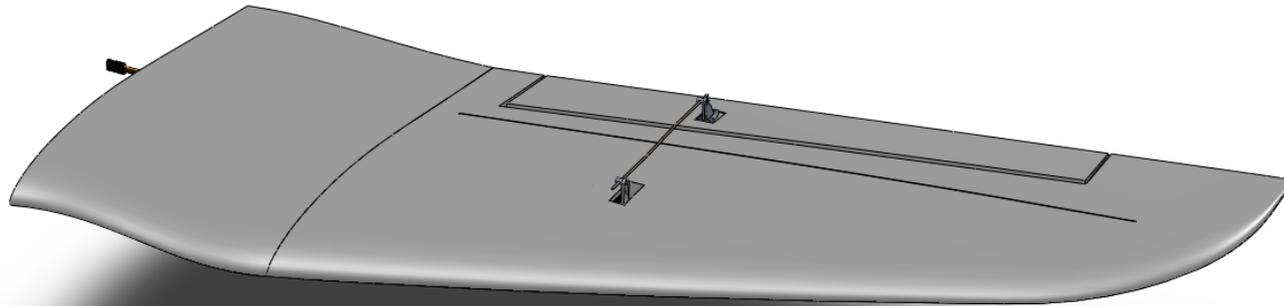


13. Glue magnets either horizontal (normal) or if the magnets are super strong a vertical position is also possible  
*! Before gluing the magnets to the top hatch ensure that they are correctly positioned (magnetically) in relation to the magnets glued to the top fuselage*

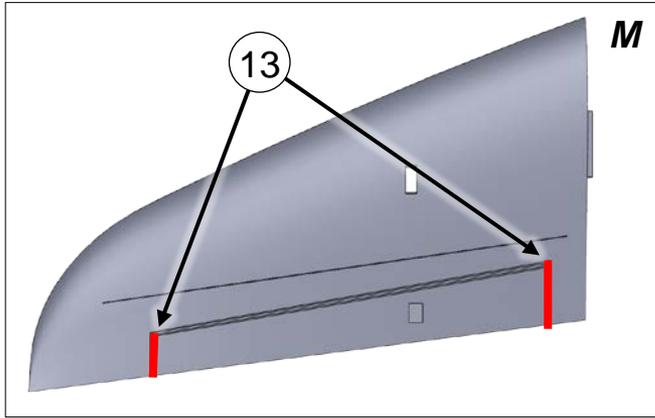


14. Attach the EPO-nose or the gimbal (see separate instructions)

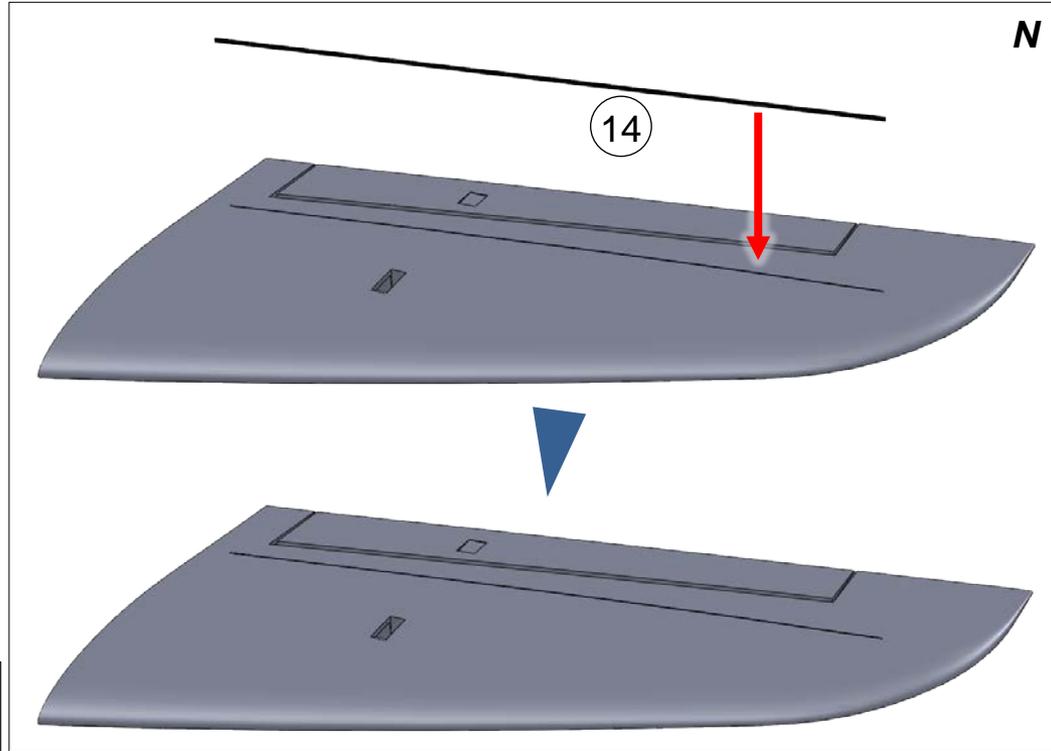
*Assembly Instructions for the*  
**RVJET WING**



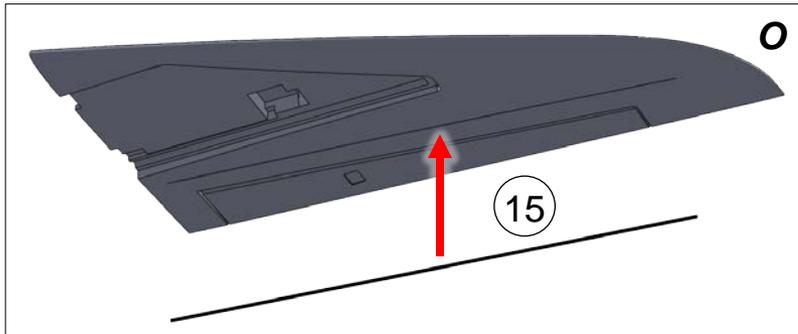
# RVJET – Wing Assembly 2/6



13. Cut away the foam on the sides of the elevons

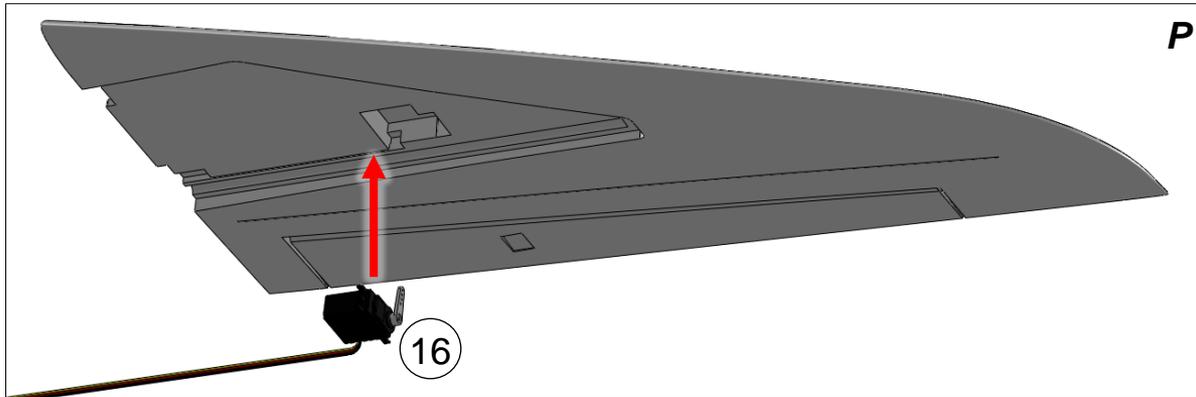


14. Glue CF-strip in the top slot of the wing  
! Ensure that the strip fits fully before applying glue  
! Ensure that the strip is flush to the surface of the wing



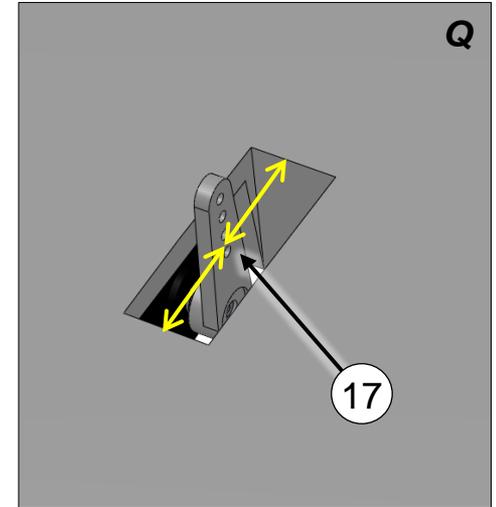
15. Glue CF-strip in the bottom slot of the wing  
! Ensure that the strip fits fully before applying glue  
! Ensure that the strip is flush to the surface of the wing

# RVJET – Wing Assembly 3/6

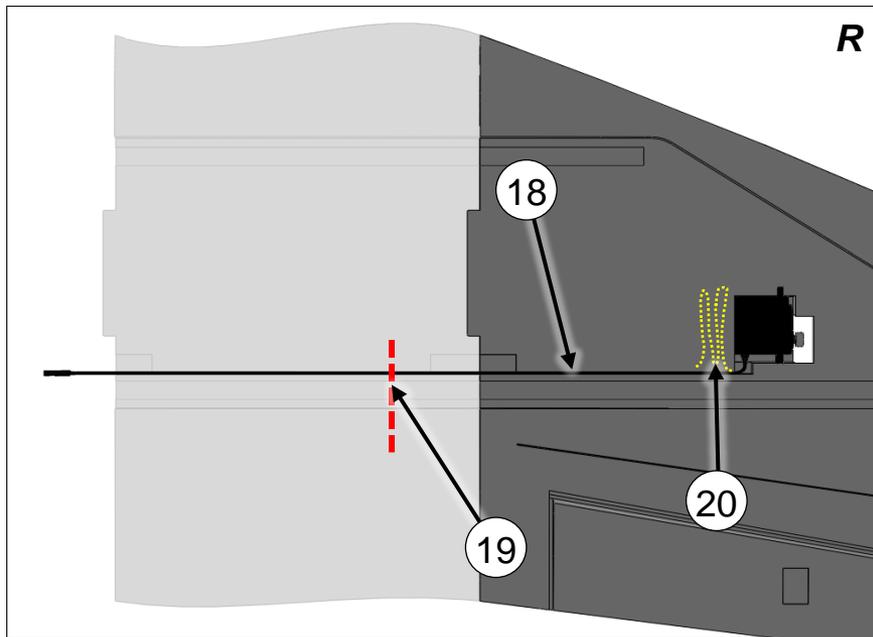
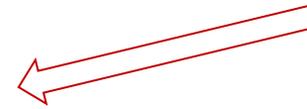


16. Glue servo in servo tray

*! Ensure the servo is centred and that the control arm is installed*



17. Position servo so the control arm is in the center of the hole then glue the servo in place



18. Route cable along the servo channel

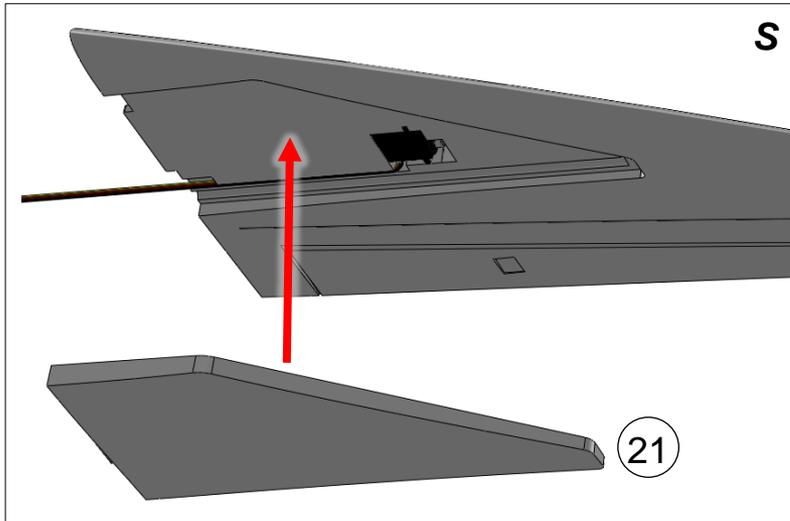
19. When building the short wing the cable should be shortened

*! Only the short wing*

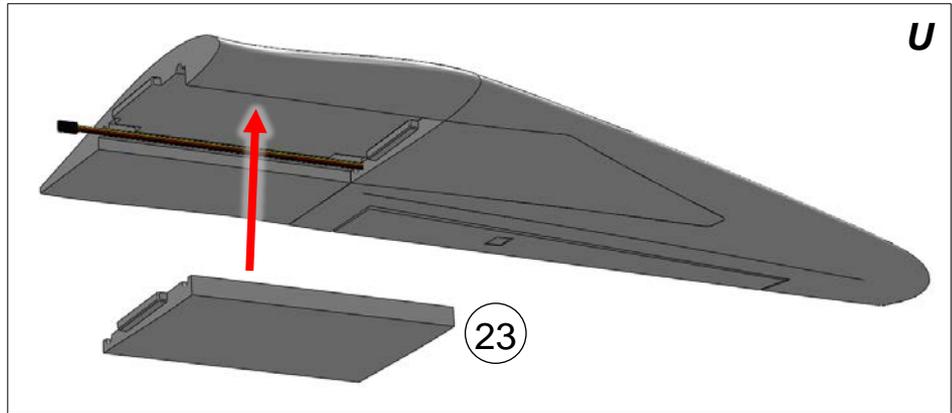
20. One way to do this is to remove some foam and embed the excess cable in the wing

*! Only the short wing*

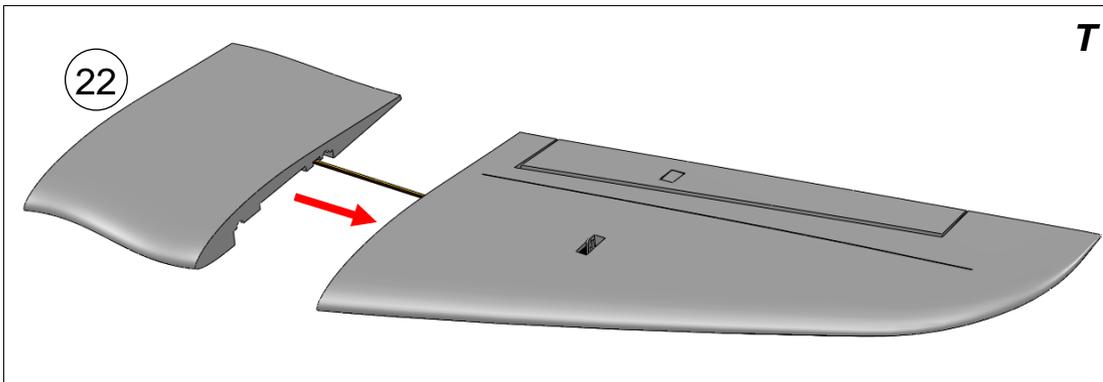
# RVJET – Wing Assembly 4/6



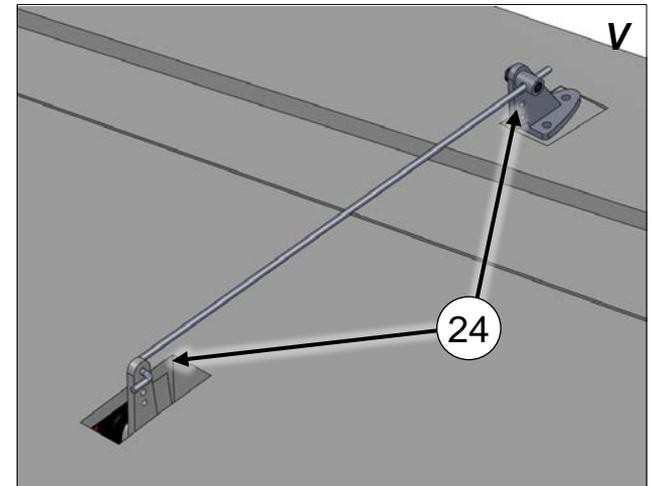
21. Glue the wing cover to the wing  
*! Ensure glue is on both sides of the CF-tube slot but not inside it*



23. Glue the wing extension cover to the wing  
*! Ensure glue is on both sides of the CF-tube slot but not inside it*

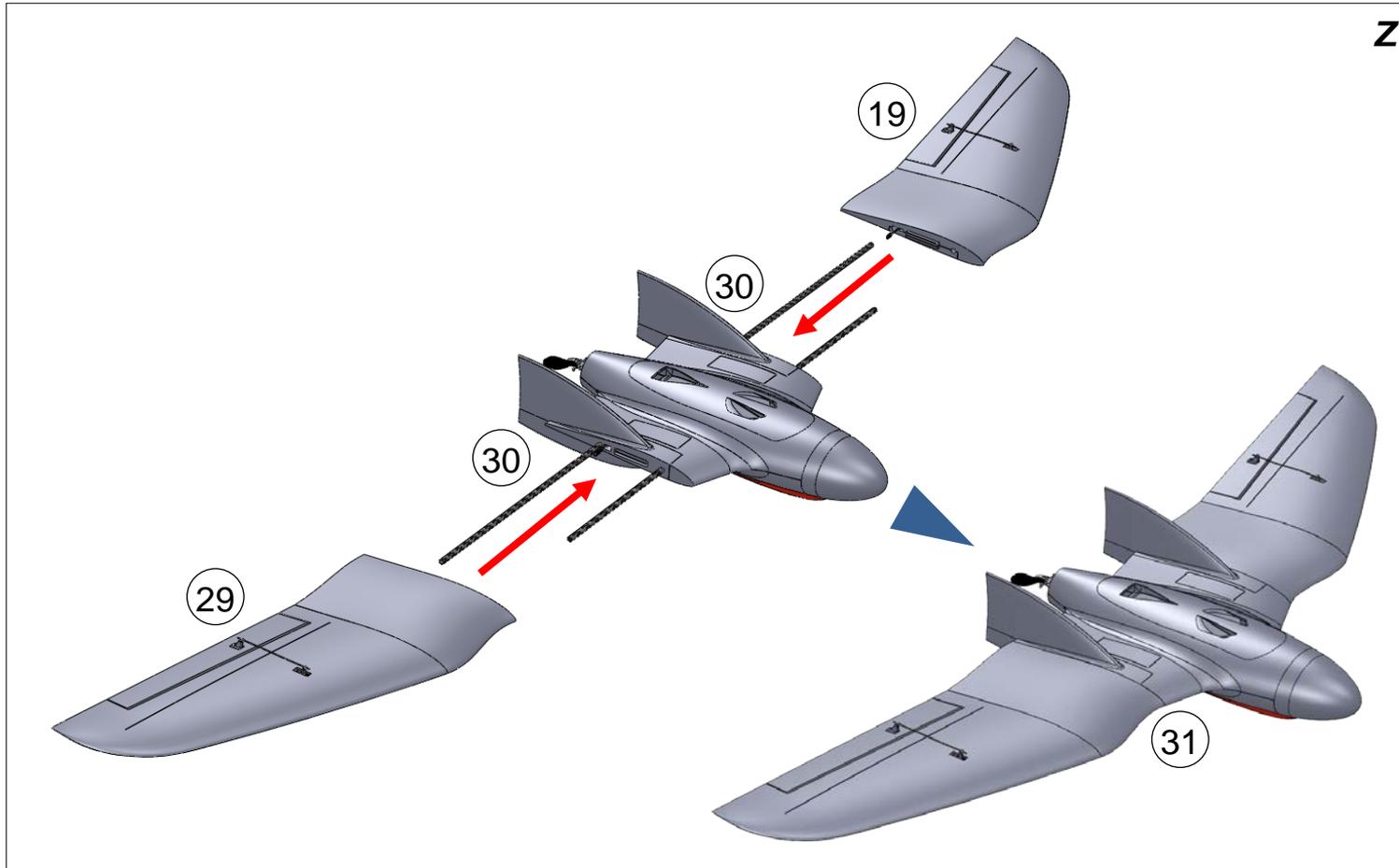


22. Glue the wing extension to the wing



24. Install control linkages



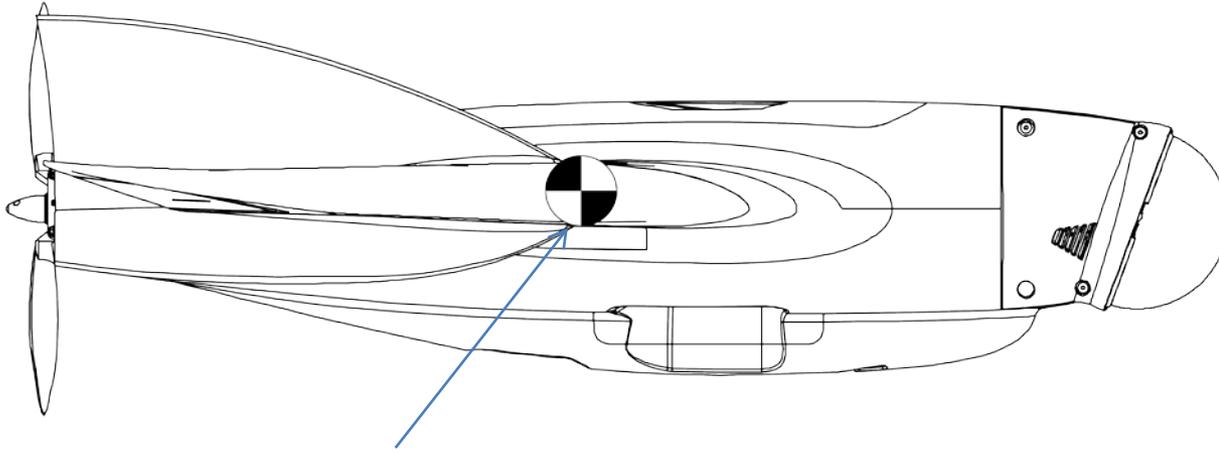


29. Slide the wings onto the CF tubes towards the fuselage

30. Connect servo to servo extension cable

31. Secure the wings using tape or glue or an alternative method

# RVJET – Setup



*CG should be where the tip of the fins joins the wing.*

*! Servo throws are highly individual based on preferred flying style and wing configuration.*

*This is an example of a working setup*

## **Short wing**

CG                    *approximately 20-25mm in front of the recommended CG*

Elevator trim      *+6mm (the below values include this trim)*

Throws:

Aileron            *+ 25mm (1")      -13mm (1/2")*

Elevator           *+19mm (3/4")    -10mm (2/5")*

# Flight Log

Date	Location	CG	Throws	Battery	Duration	Range	Notes

# Flight Log

Date	Location	CG	Throws	Battery	Duration	Range	Notes

# Flight Log

Date	Location	CG	Throws	Battery	Duration	Range	Notes