

Frame Pilotix Edition PT15

User manual



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1. Components

1.1. Screws



Fig. 1. M3 x 35 mm 12 pcs



Fig. 2. M3 x 35 mm 8 pcs



Fig. 3. M3 x 12 mm 8 pcs



Fig. 4. M3 x 8 mm 24 pcs



Fig. 5. M4 x 8 mm 16 pcs



Fig. 6. M3 x 25 mm 4 pcs



Fig. 7. M3 x 8 mm 18 pcs



Fig. 8. M3 x 32 mm 4 pcs



Fig. 9. M3 x 25 mm 4 pcs

1.2. Nuts and washers



Fig. 10. M3 20 pcs



Fig. 11. M3 8 pcs

1.3. Screw kit



Fig. 12. Propellers mount set (M3 x 8 mm 4 pcs, M3 x 12mm 8 pcs)



Fig. 13. Antenna mount screw (M3 x 16 mm 1 pcs)

1.4 Body kit

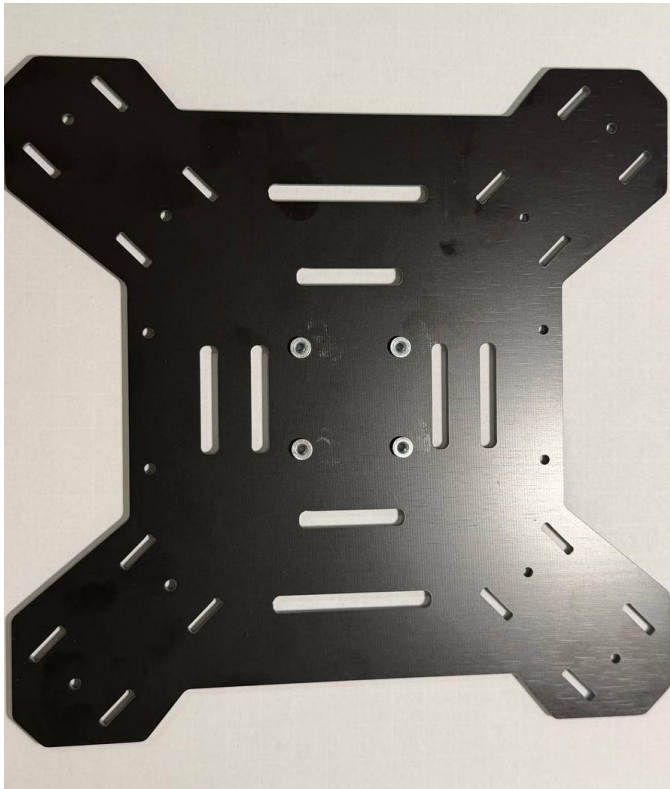


Fig. 14. Plate A. 2 pcs



Fig. 15. Plate B. 1 pcs



Fig. 16. Plate C. 4 pcs



Fig. 17. Fastener strap. 4 pcs



Fig. 18. Rear plate. 2 pcs



Fig. 19. Front plate. 2 pcs



Fig. 20. Motor plate. 4 pcs



Fig. 21. Protection plate. 8 pcs



Fig. 22. Protection. 4 pcs



Fig. 23. Arm. 4 pcs

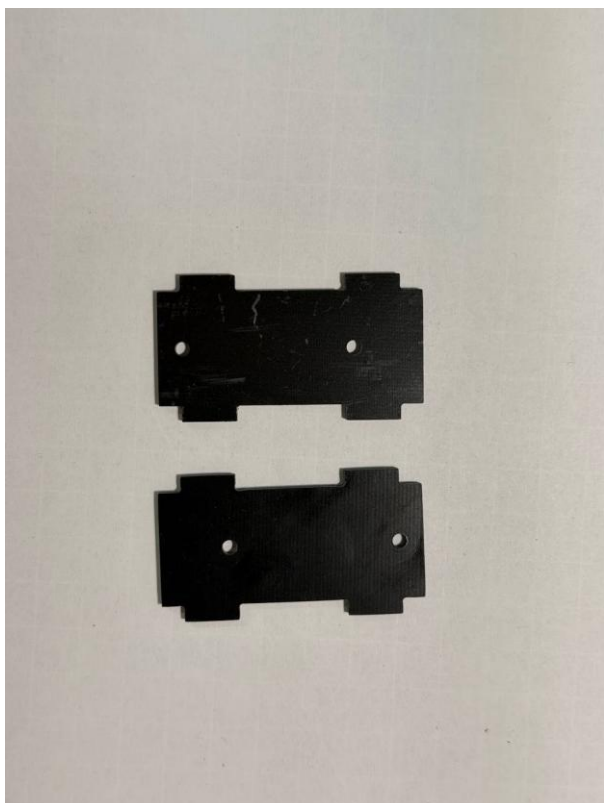


Fig. 24. Arm plate. 8 pcs



Fig. 25. Camera holder. 2 pcs

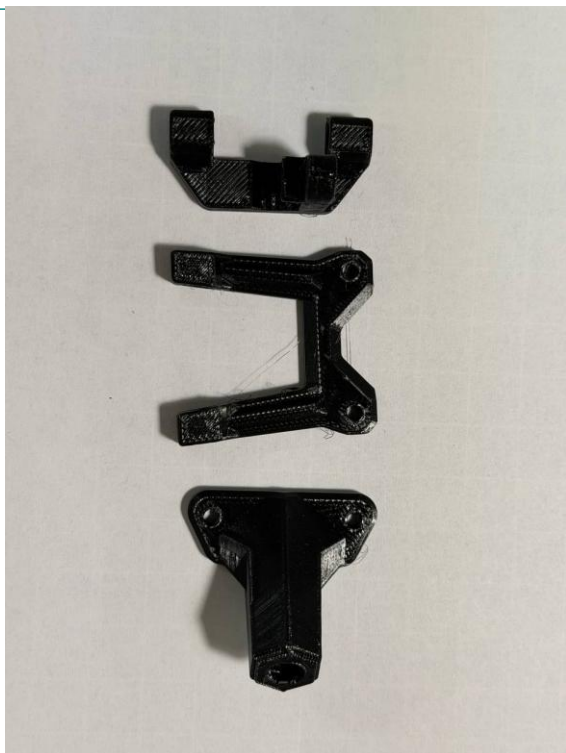


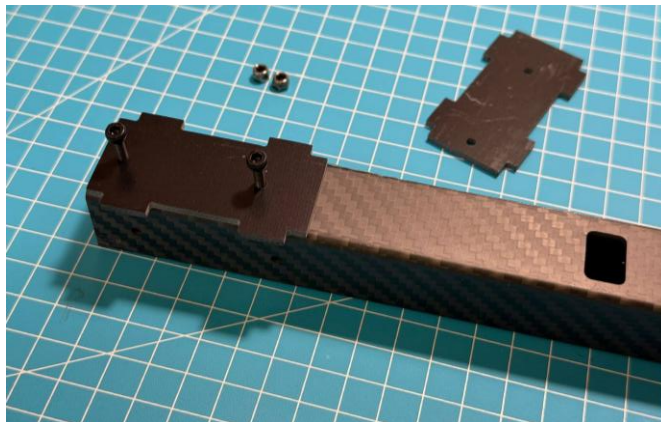
Fig. 26. Antenna holder. 3 pcs

2. Assembly

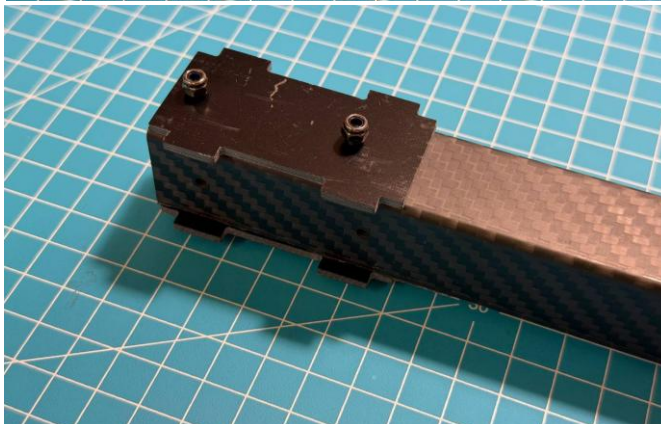
2.1. Arm assembly



Take 1 pcs of arm (Fig.23), 2 pcs of arm plates (Fig.24), M3 x 35 mm 2 pcs (Fig.1) and 2 pcs of M3 nuts (Fig.10).



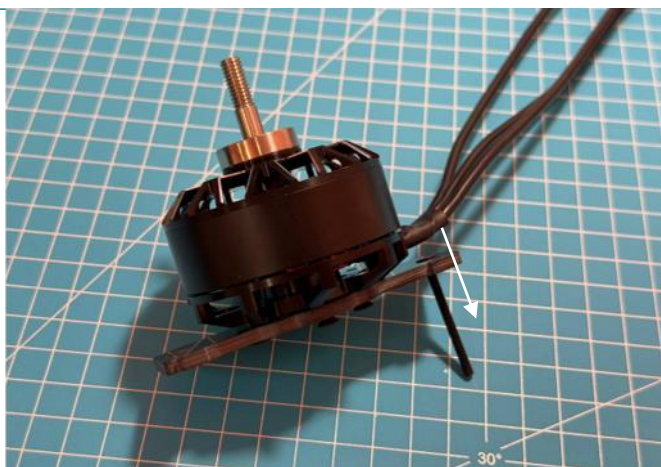
Place plates as shown. Insert screws into the hole from either side. Ensure the plate is aligned with the internal bolt hole.



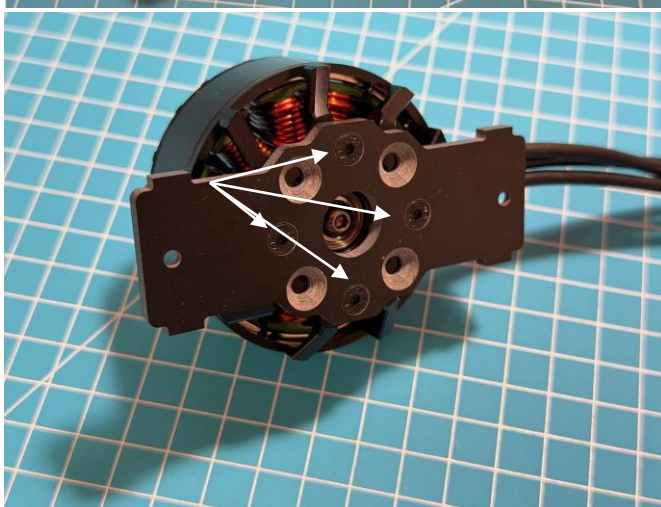
Finally, tighten the bolt using a nut to secure the assembly. Repeat this procedure for all 4 arms.



Take 1 pcs of motor plate (Fig.20), 1 pcs of motor and 4 pcs of M3 x 8 mm (Fig.7).
Note: This is only illustration, motors are not included into frame kit.



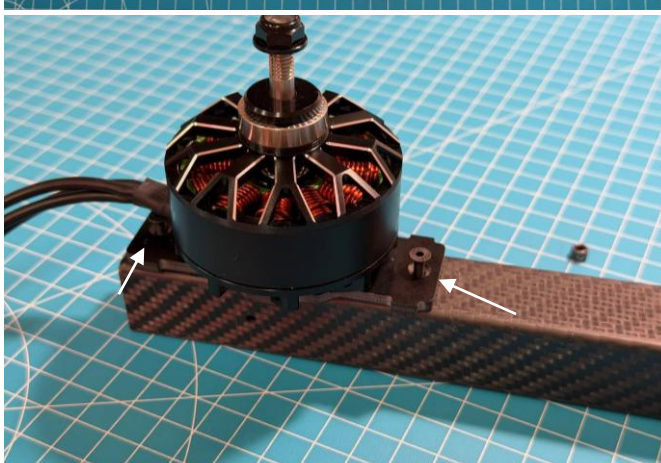
Warm tip: before tightening the screw place 1 pcs of M3 x 35 (Fig.2) mm from the motors' wire side.



Place the motor plate onto the motor. Align the mounting holes of the motor with the holes on the mount. Secure the motor to the mount using 4 pcs of bolts M3 x 8 mm (Fig.7). Tighten the bolts in a cross-pattern to ensure even pressure.



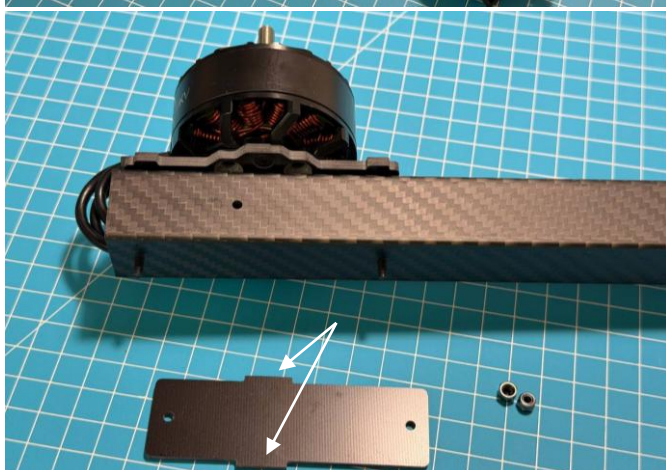
Take prepared motor, prepared arm, M3 x 35 mm (Fig.1) and 2 pcs of M3 nut (Fig.10).



Place prepared motor onto the top of the prepared arm. Ensure the assembly is aligned with the internal bolt hole.



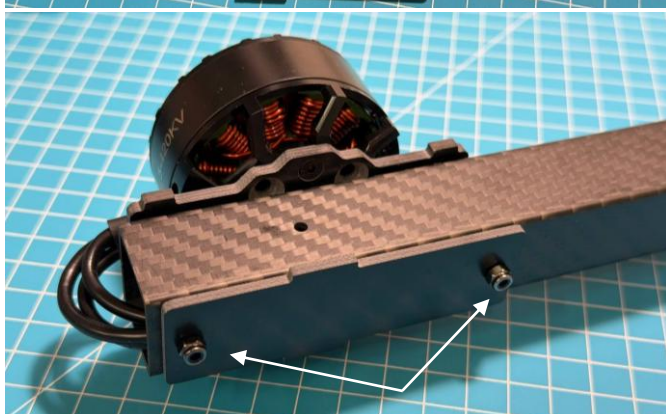
Route the motor wires through the centre of the arm.



Take 1 pcs of plate C (Fig. 16).

Attach the plate of the motor mount to the arm.

Note: the plate has protruding holders – they should be closer to the end of arm.



Use the nuts to secure the assembly, ensuring the motor wires are not pinched between the parts.
Repeat this procedure for all 4 arms.



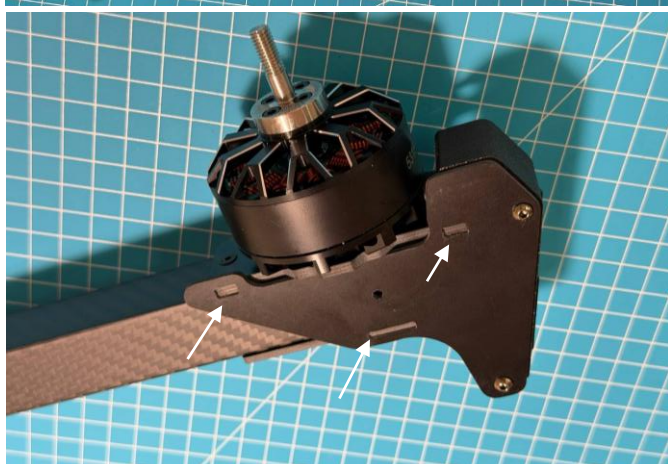
Take 1 pcs of protection (Fig. 22), 1 pcs of protection plate (Fig. 21) and 2 pcs of M3 x 8 mm (Fig. 4).



Secure protection and protection plate together using screws as shown. Repeat this procedure for all 4 protections.



Take prepared protection, prepared arm, 1 pcs of protection plate (Fig. 21) and 2 pcs M3 x 8 mm (Fig. 4).



Place prepared protection from one side of arm as shown. Be aware the holes should align fully.



Rotate the arm, place protection plate and secure assembly using screw. The holes should align as before.

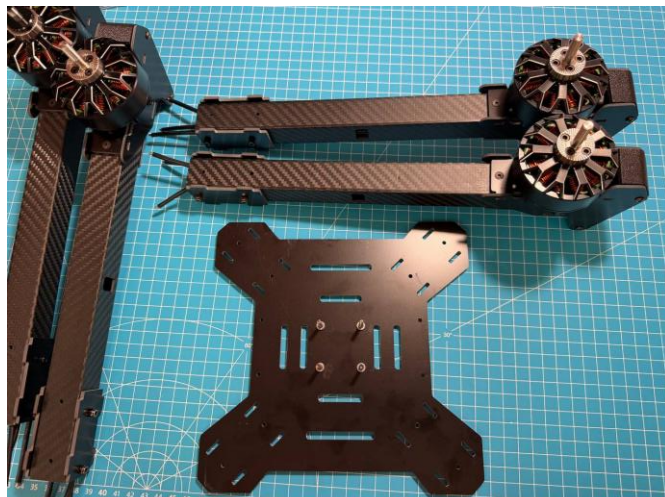


Take M3 x 35 mm (Fig. 1), 1 pcs of nut (Fig.10) and prepared assembly. Insert the screw into the hole from either side.

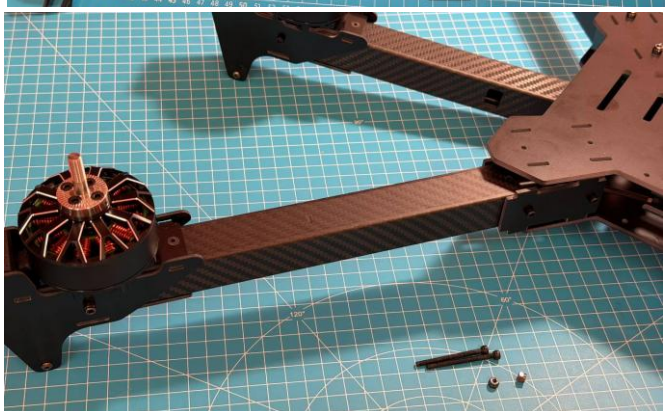


Secure the assembly using a nut. Repeat this procedure for all 4 arms.

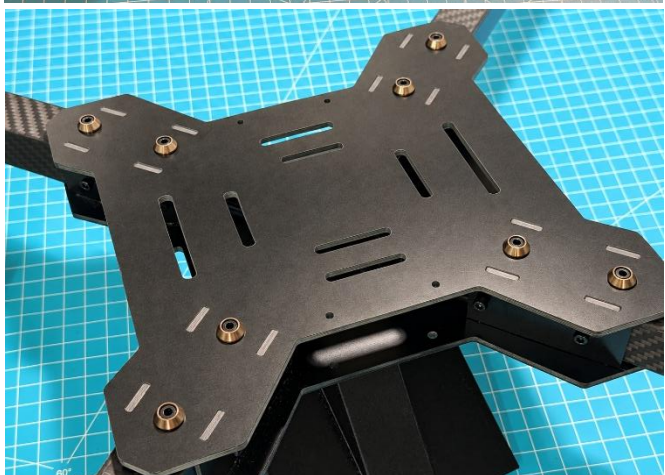
2.2. Frame assembly



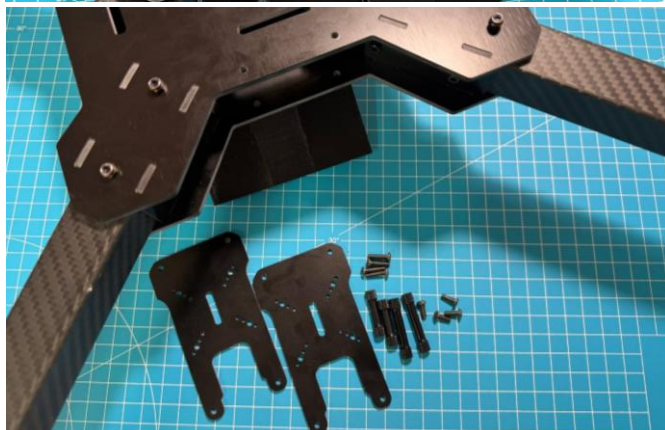
Take 2 pcs of plates A (Fig. 14) and 4 pcs of prepared arms.



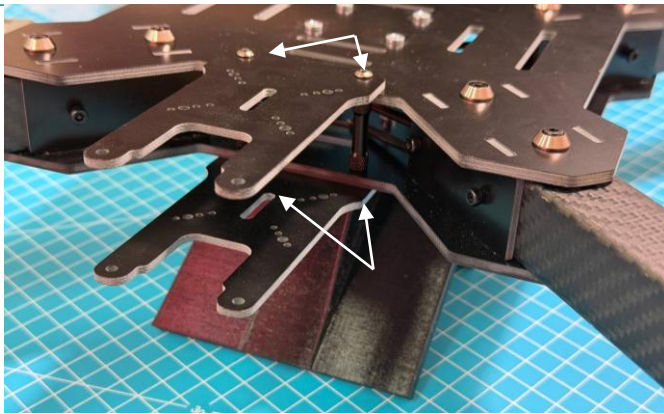
Take 2 pcs of M3 x 35 mm (Fig.1) and 2 pcs of nuts (Fig.10). Position the plates with the preinstalled nuts on the inside. Insert the arm between the two plates; the protruding fasteners must align with the special holes to ensure secure fixing. Then insert the bolt into the hole and temporarily secure it with a nut.



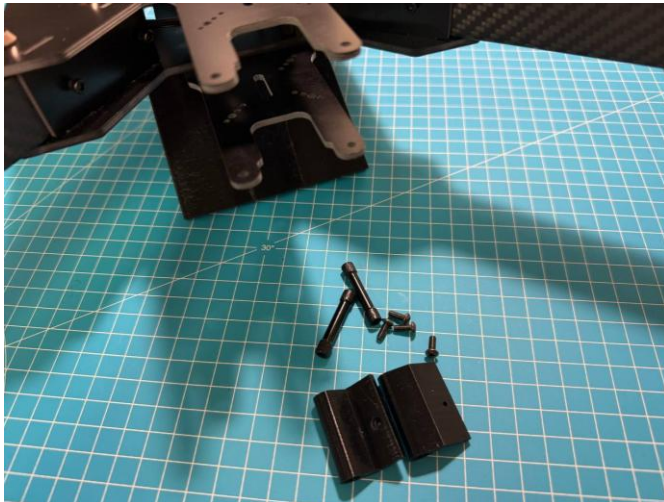
Take 8 pcs of M3 washers (Fig. 11). Once all the arms have been secured, take the washers and secure them as shown.



Take 2 pcs of M3 x 32 mm (Fig. 8), 2 pcs of M3 x 25 mm standoffs (Fig. 9), 4 pcs of M3 x 8 mm (Fig. 4), 4 pcs of M3 x 12 mm (Fig. 3) and 2 pcs of front plate (Fig. 19).



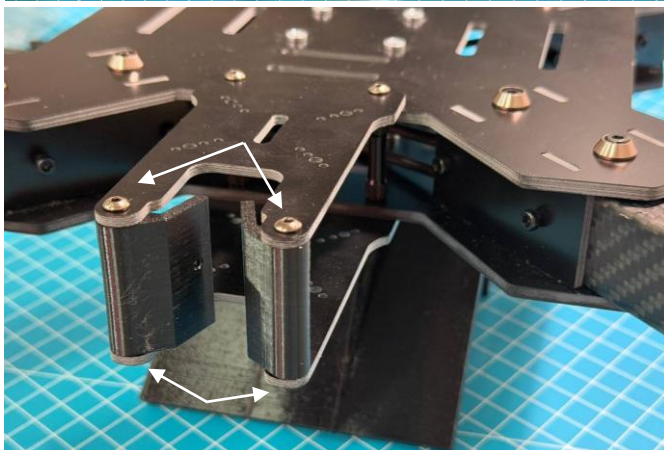
Use 4 pcs of M3 x 12 mm and 2 pcs of M3 x 25 mm standoffs to secure front plates to frame from both sides.



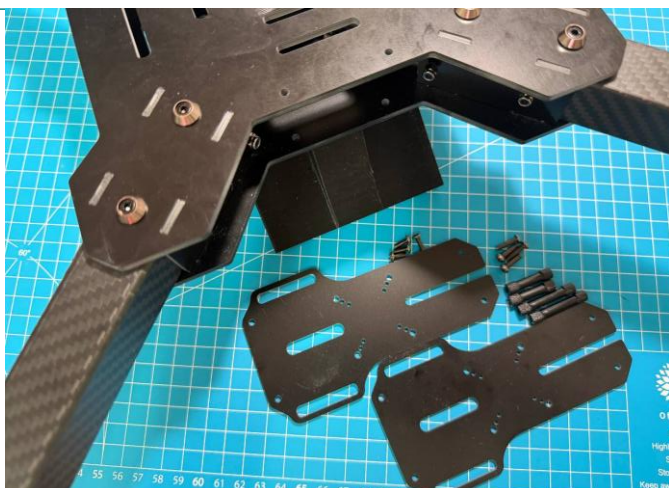
Take 2 pcs of camera holders (Fig.25), 2 pcs of M3 x 32 mm and 4 pcs of M3 x 8 mm.



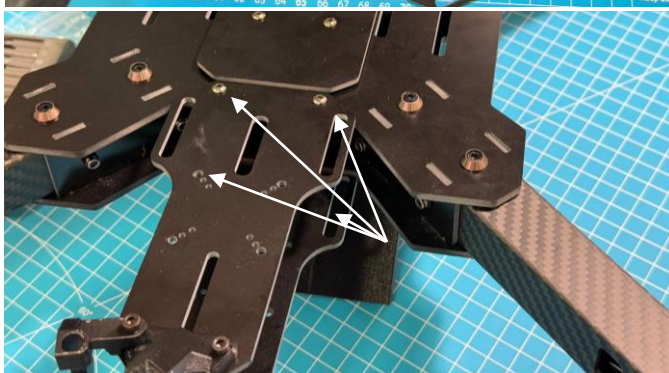
Slide the camera holder onto the 2 pcs M3 x 32 mm screws.



Secure camera holders from both sides using screws. Place them as shown.



Take 2 pcs of M3 x 32 mm (Fig. 8), 2 pcs of M3 x 25 mm standoffs (Fig. 9), 3 pcs of M3 x 12 mm from propellers mount set (Fig. 12), 4 pcs of M3 x 12 mm (Fig. 3), 1 pcs of M3 x 16 mm (Fig. 13) and 2 pcs of rear plate (Fig. 18).



Use 4 pcs of M3 x 12 mm and 2 pcs of M3 x 25 mm standoffs to secure rear plates to frame from both sides.



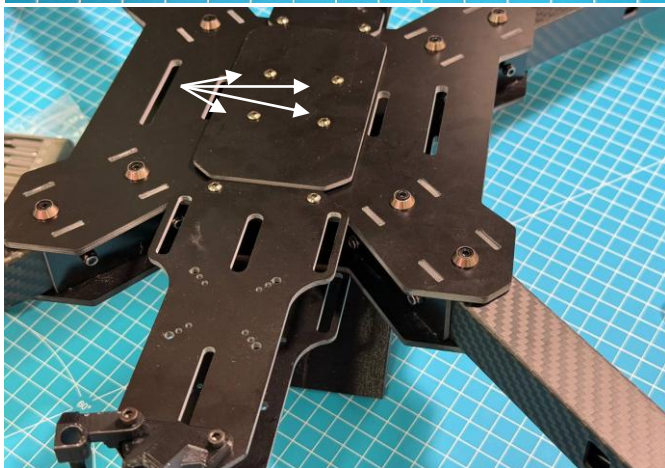
Take 3 pcs of antenna holders (Fig.26), 2 pcs of M3 x 32 mm, 1 pcs of M3 x 16 mm and 3 pcs of M3 x 12 mm.



Secure antenna holders from both sides using screws. Use the M3 x 16 mm screw where indicated in the illustration.



Take 1 pcs of plate B (Fig. 15) and 4 pcs of M3 x 8 mm (Fig. 4).



Secure plate in the middle of the frame as shown using screws.



The final result.

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