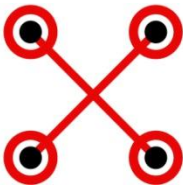
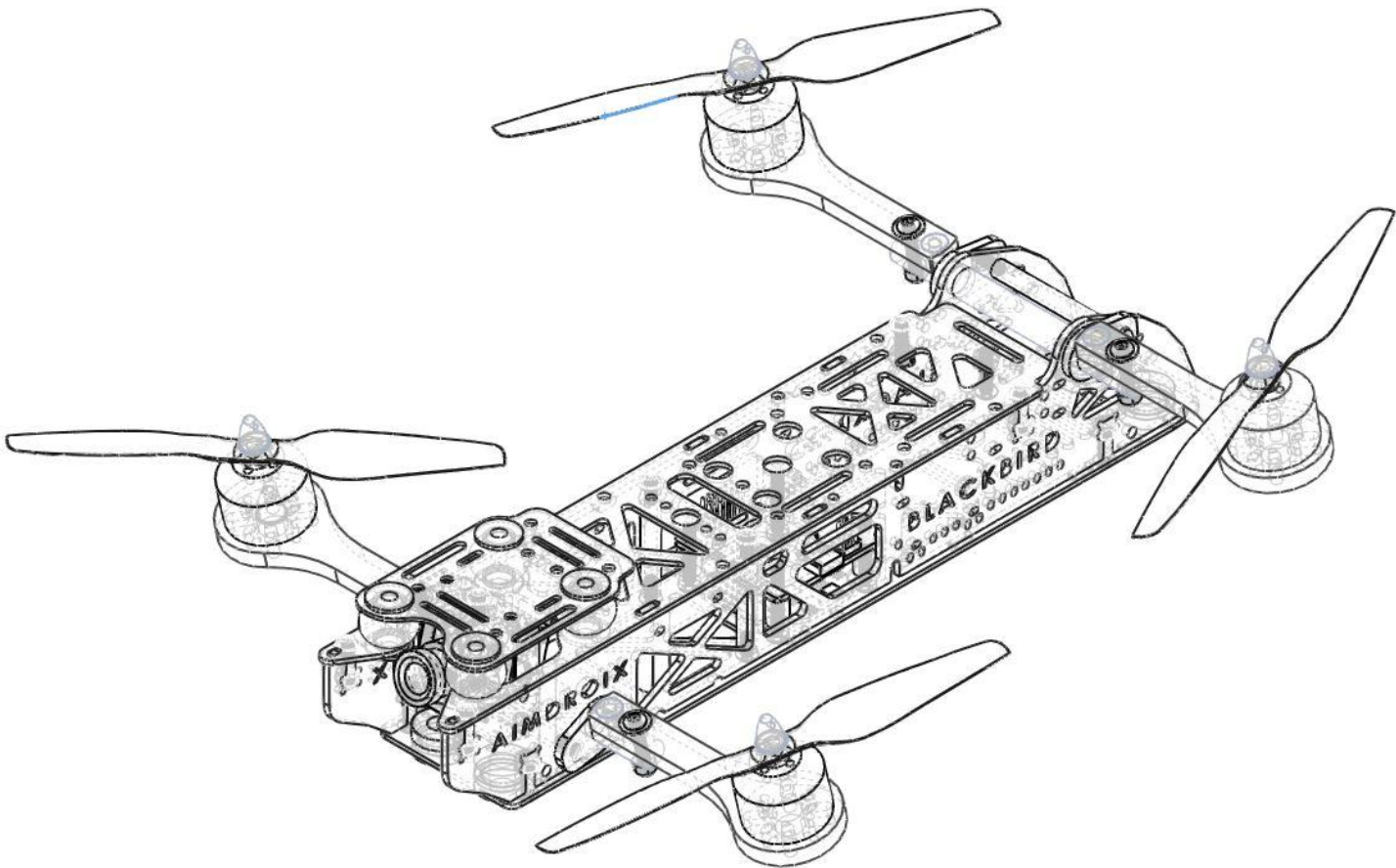


# AIMDROI



## BLACKBIRD 250



## INSTRUCTION MANUAL

- Frame diagonal size: 250 with stock arms, 270mm with 6in props arms, 330mm with 7in props arms
- Weight: 192g (approx)
- Materials: G10 and Aluminum. (optional CF version)
- Stainless steel fasteners.
- Props size: 5in with stock arms. 6in and 7in with optional arms
- Flight controller mount : 30.5mm x 30.5mm
- Motor mounting: M2 12mm—16mm, M3 12mm—19mm
- Inside battery mounting space: 110mm x 39 mm x 32mm (LxWxH)

## Key Features:

- Strong “BOX” frame construction to protect the FPV camera and electronics.
- Innovative frame geometry for the 250 FPV racing class.
- Two position motor angle for fast forward speeds.
- Vibration isolated mounting plate for FPV cameras of 32mmx32mm (LxW) or less. Mobius camera mounting slots .
- Innovative electronics layout. ESC's can be mounted on the side of the frame.
- Unique adjustable battery position and quick battery mounting with single velcro strap.
- Compatible with any 30.5mmx30.5mm mount spacing controllers, and other electronics. CC3d, Naze 32.
- Fits 5in props. 6in and 7in with optional extended arms.
- Rubber landing supports for low profile flying and soft landing.
- Arms accept any mini size motors with mounting dimensions of M2 12mm-16mm and M3 12m to 19mm
- Mini Hex upgradable with optional Hexa arms kit
- Full support of AIMDROIX optional accessories.

REQUIRED PARTS

\*Images are not at real scale\*



1 X1



2 X1



3 X1



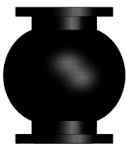
4 X1



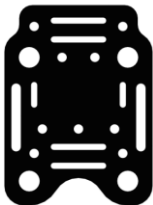
5 X4



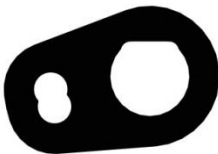
6 X2



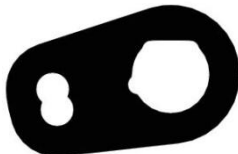
7 X4



8 X1



9 X2

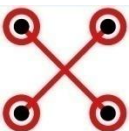


10 X2



11 X4

X3





Threadlock  
Recommended  
(TL)



M3 x 20mm  
PLASTIC



M3 x 16mm



M3 x 12mm



M3 x 8mm



M3 x 6mm



M3 x WASHER



39mm  
STANDOFF



32mm  
STANDOFF



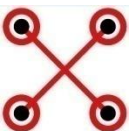
M3 NYLON  
LOCK NUT



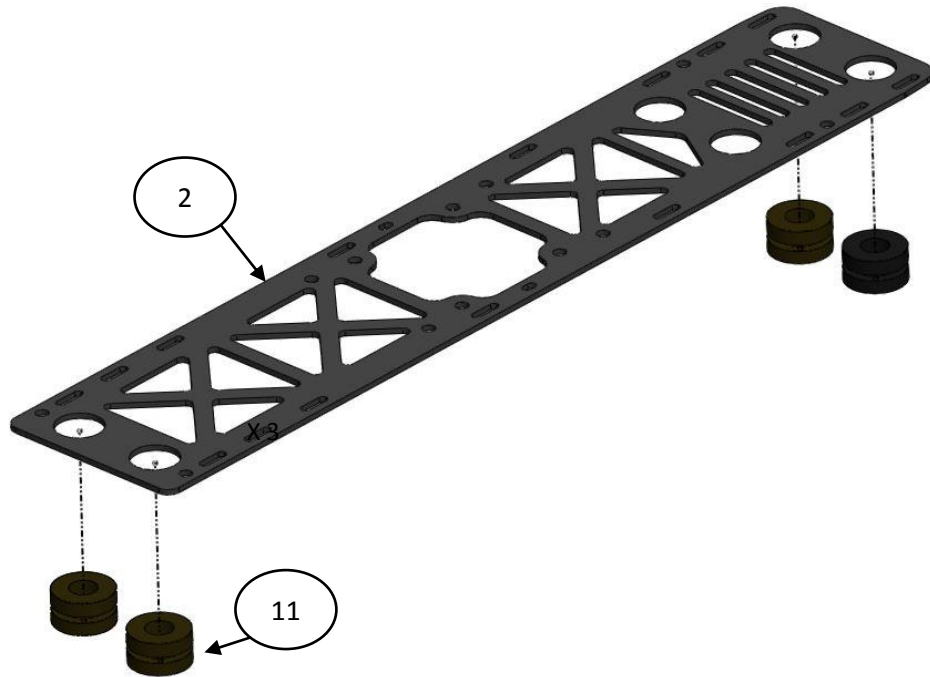
M3 PLASTIC NUT



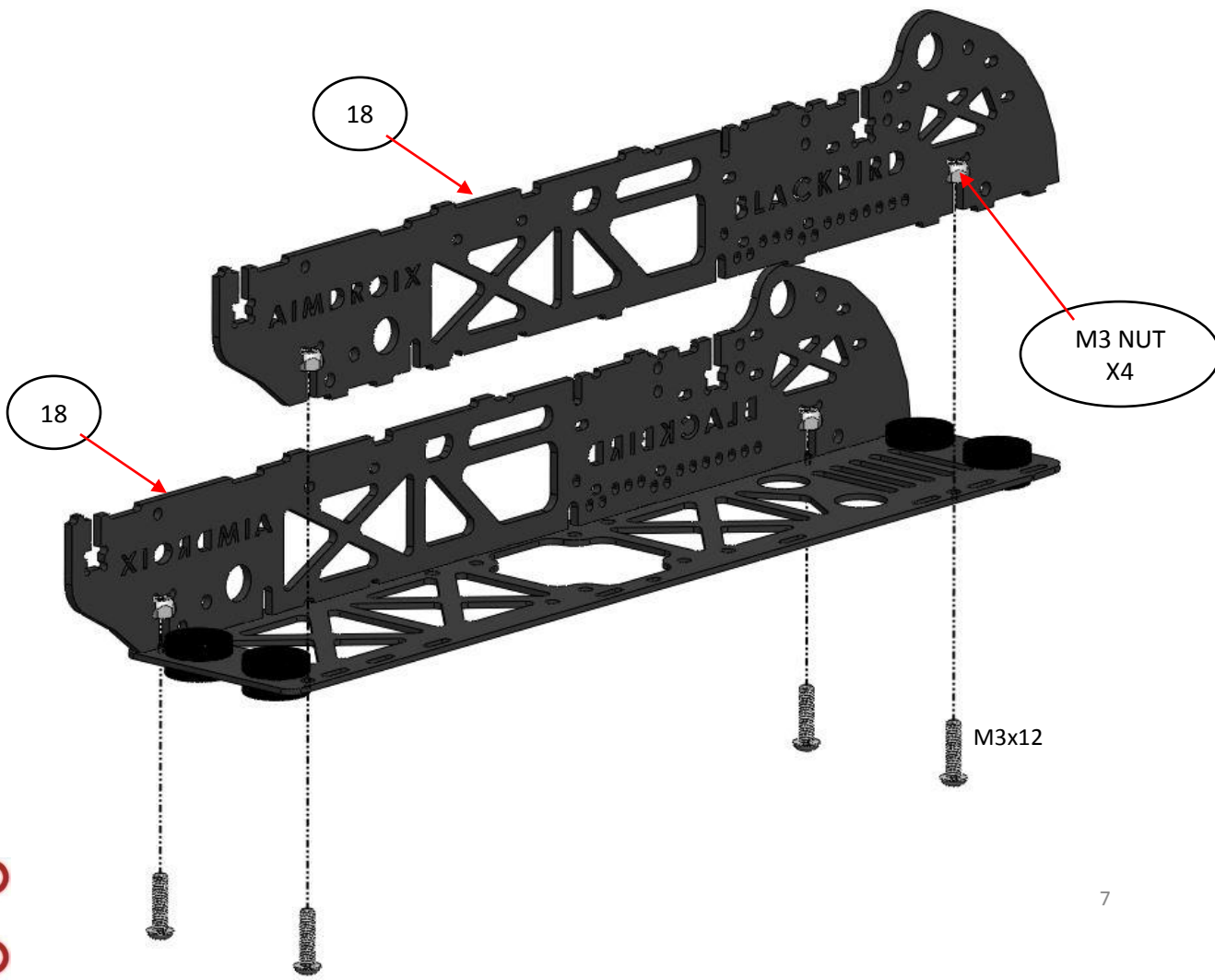
8mm PLASTIC  
SPACER



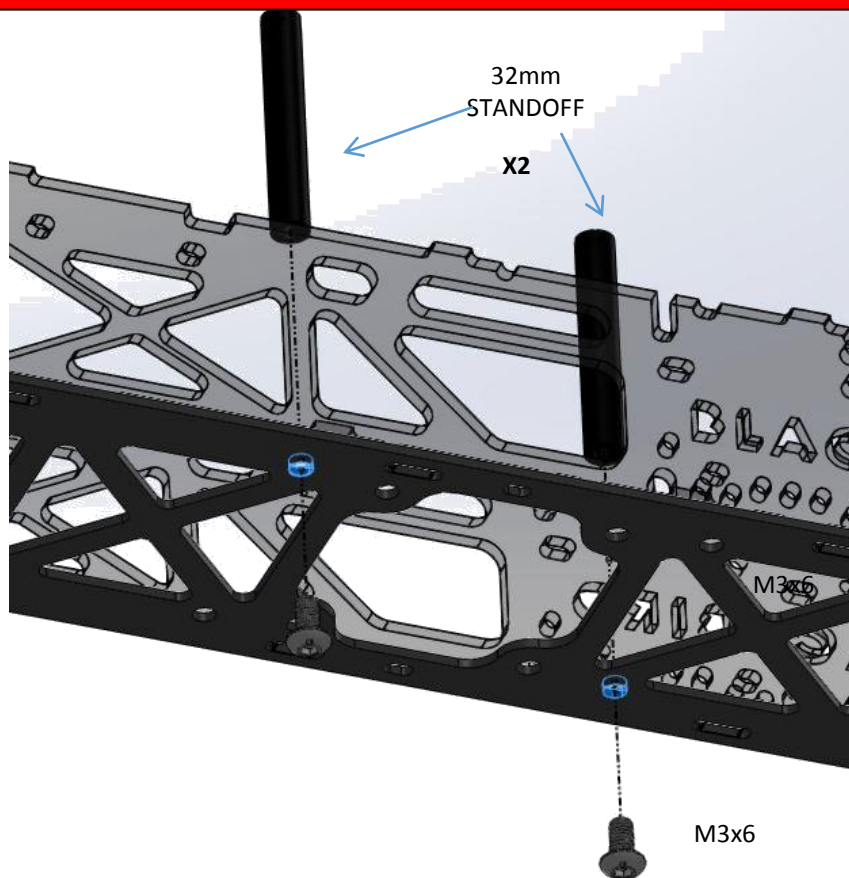
# LANDING SUPPORTS



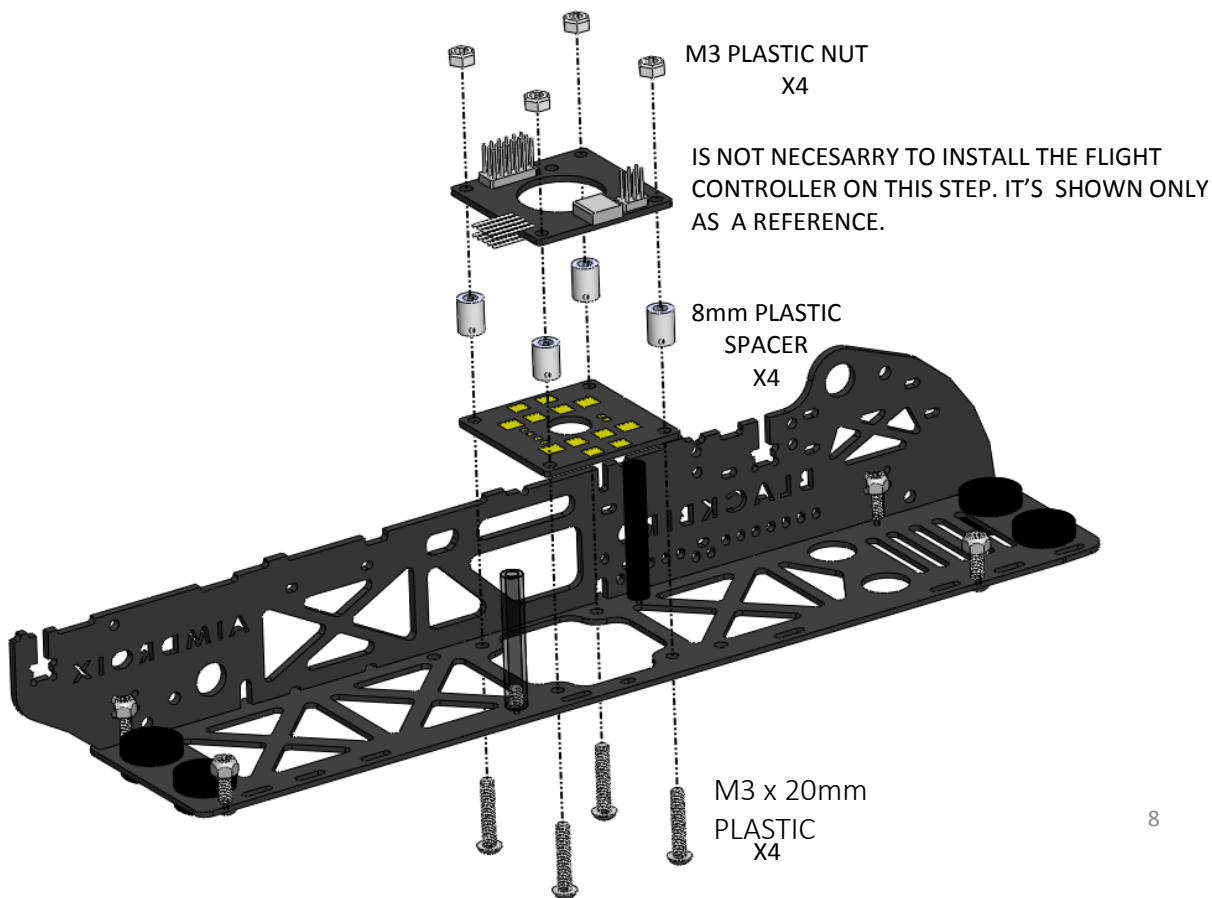
## SIDE PLATES TO BOTTOM PLATE



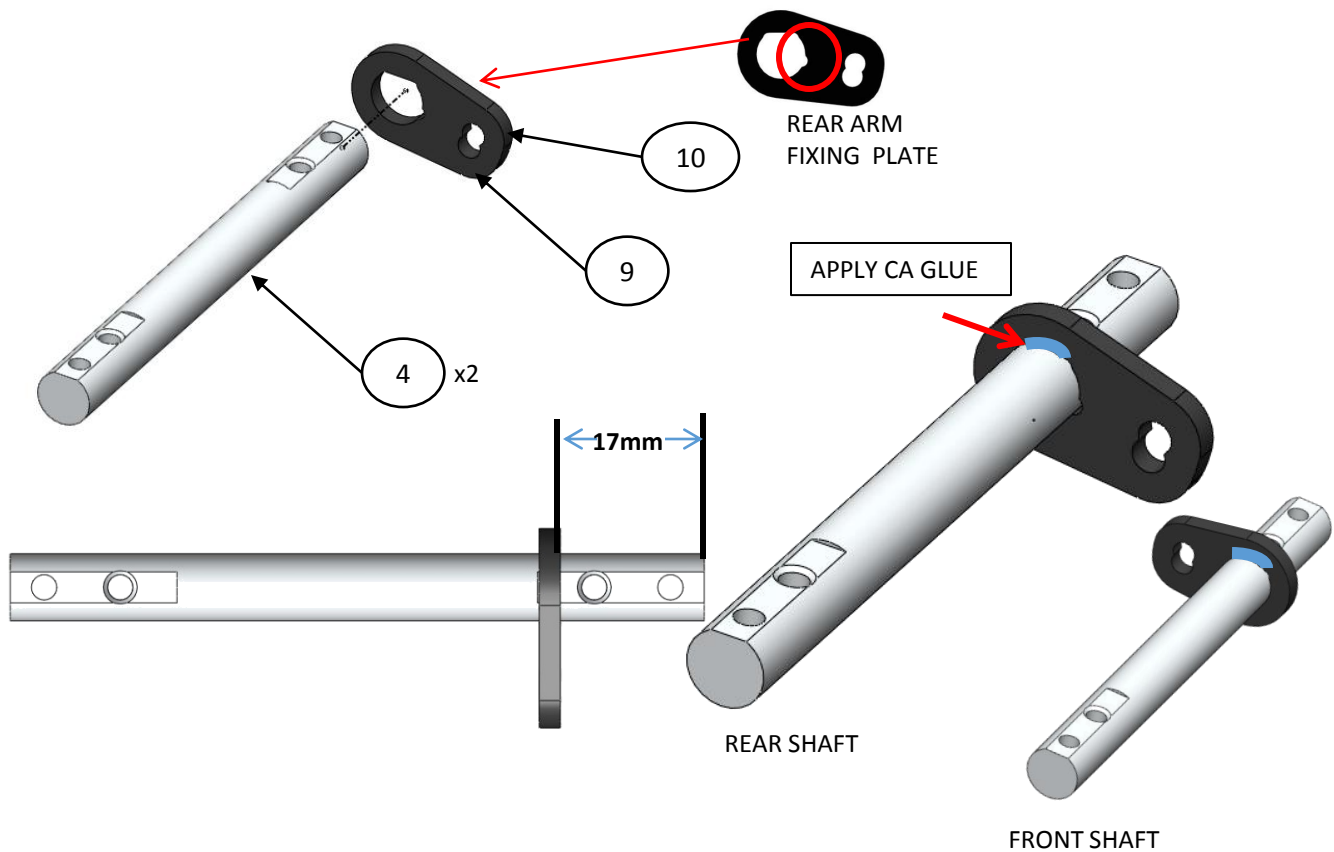
## TOP TO BOTTOM PLATE STANDOFFS



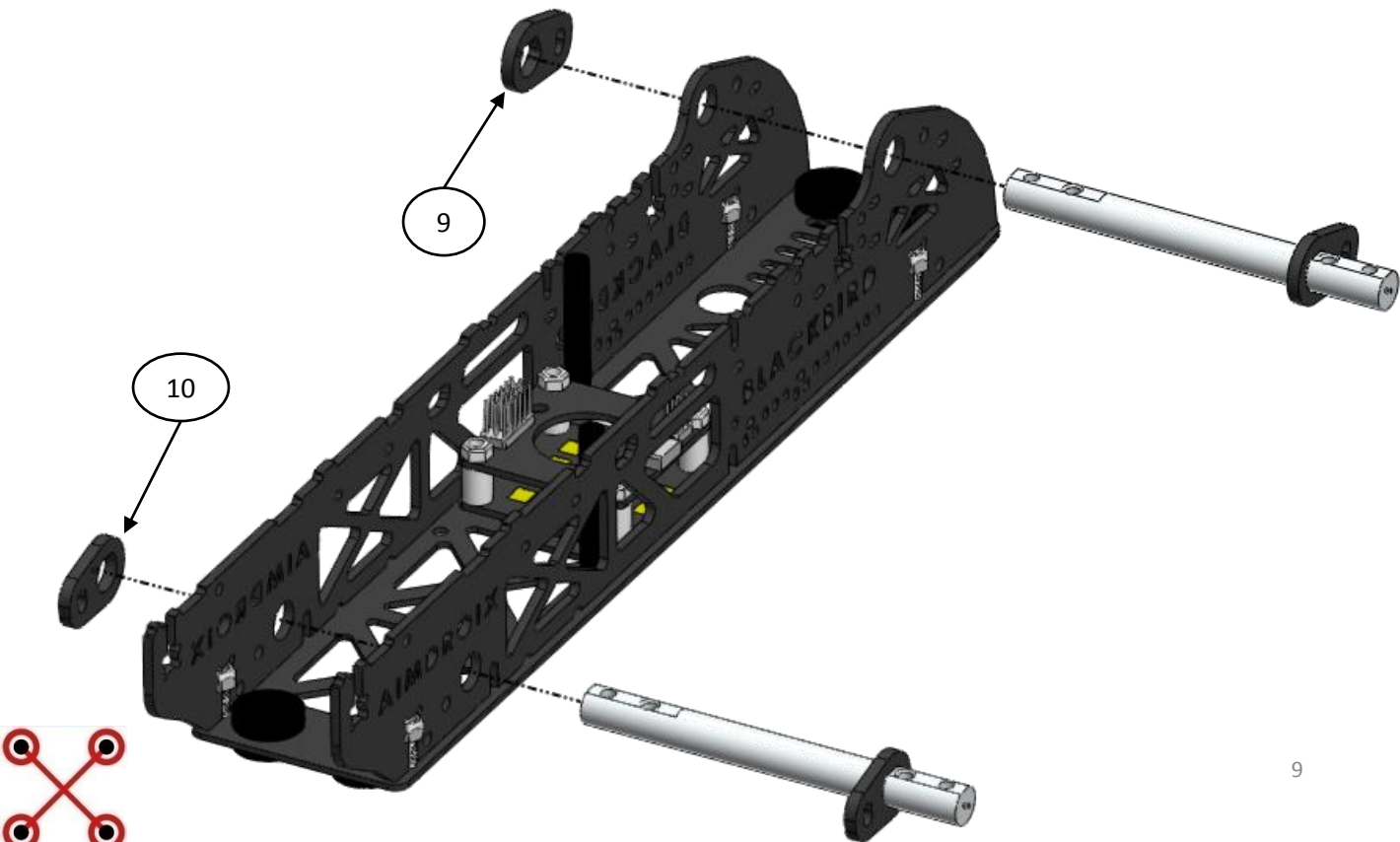
## PDB AND FC ASSEMBLY



## ARMS SHAFTS ASSEMBLY

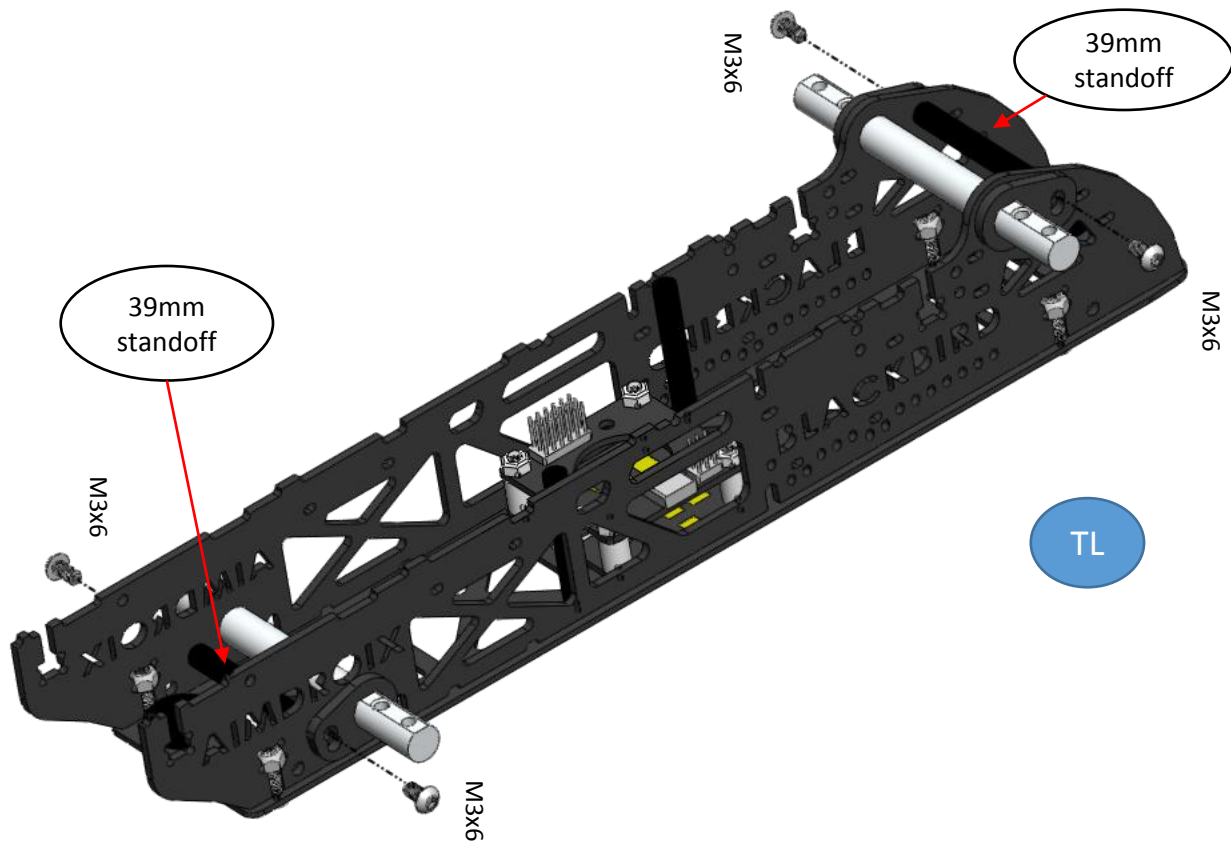


## ARM TO FRAME ASSEMBLY

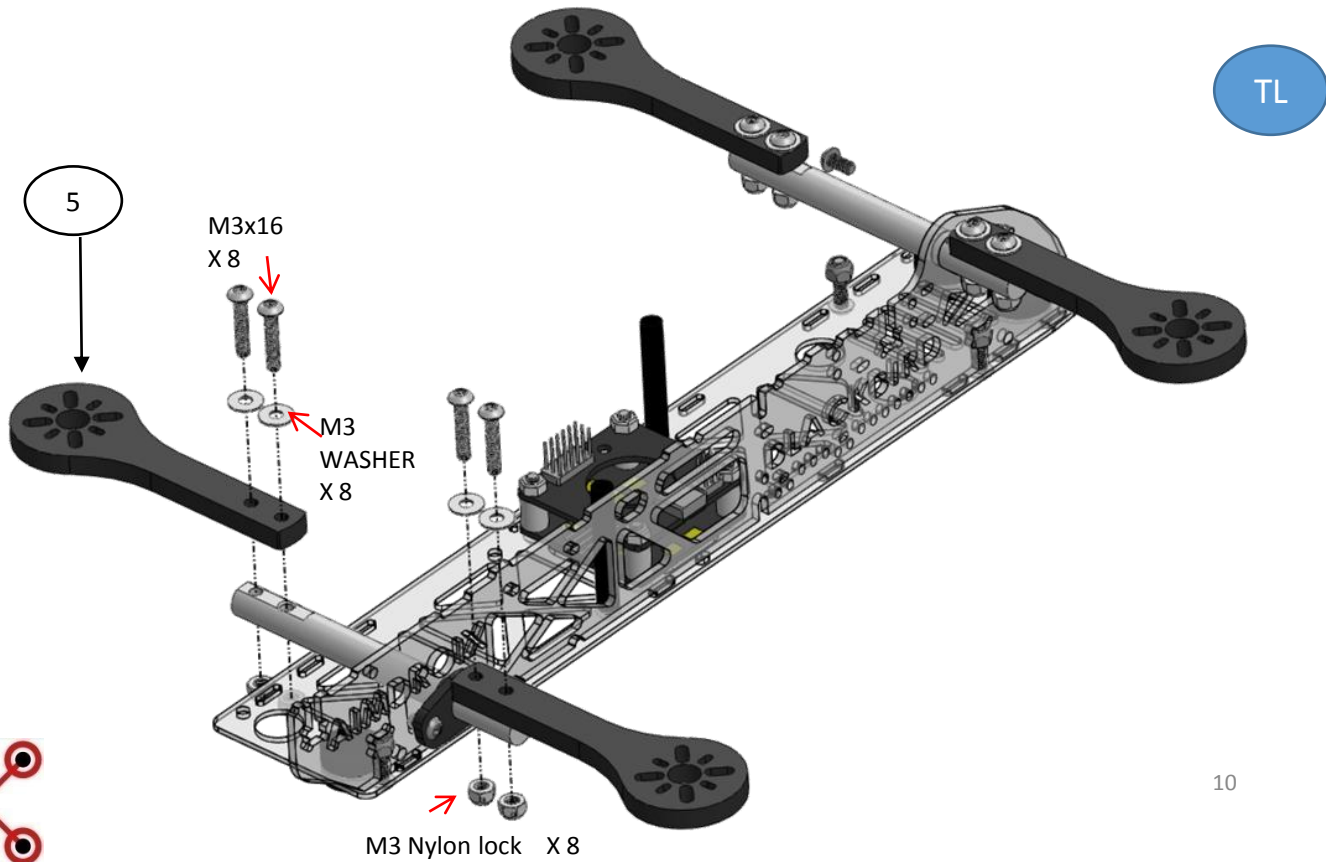




# ARMS



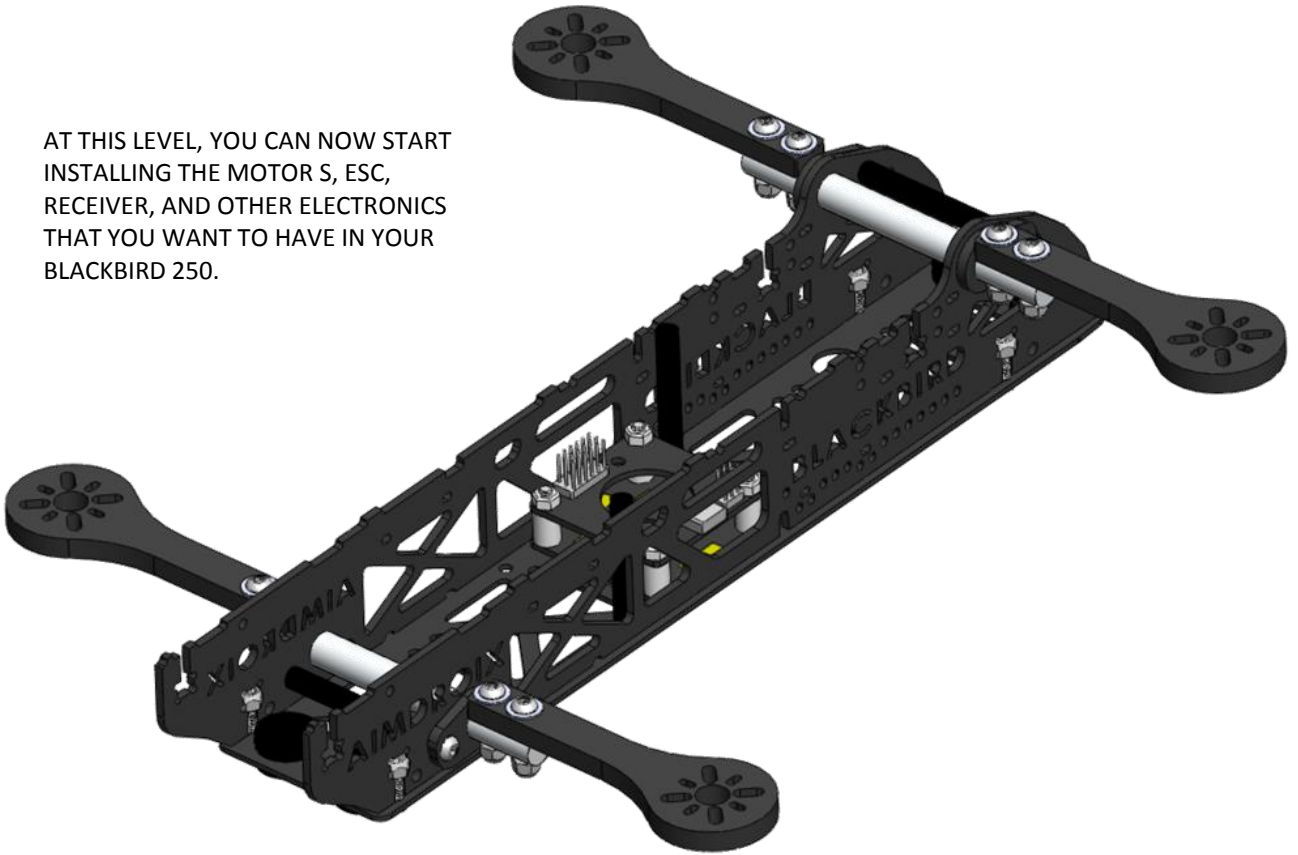
## ARMS TO SHAFT



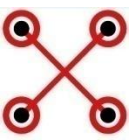
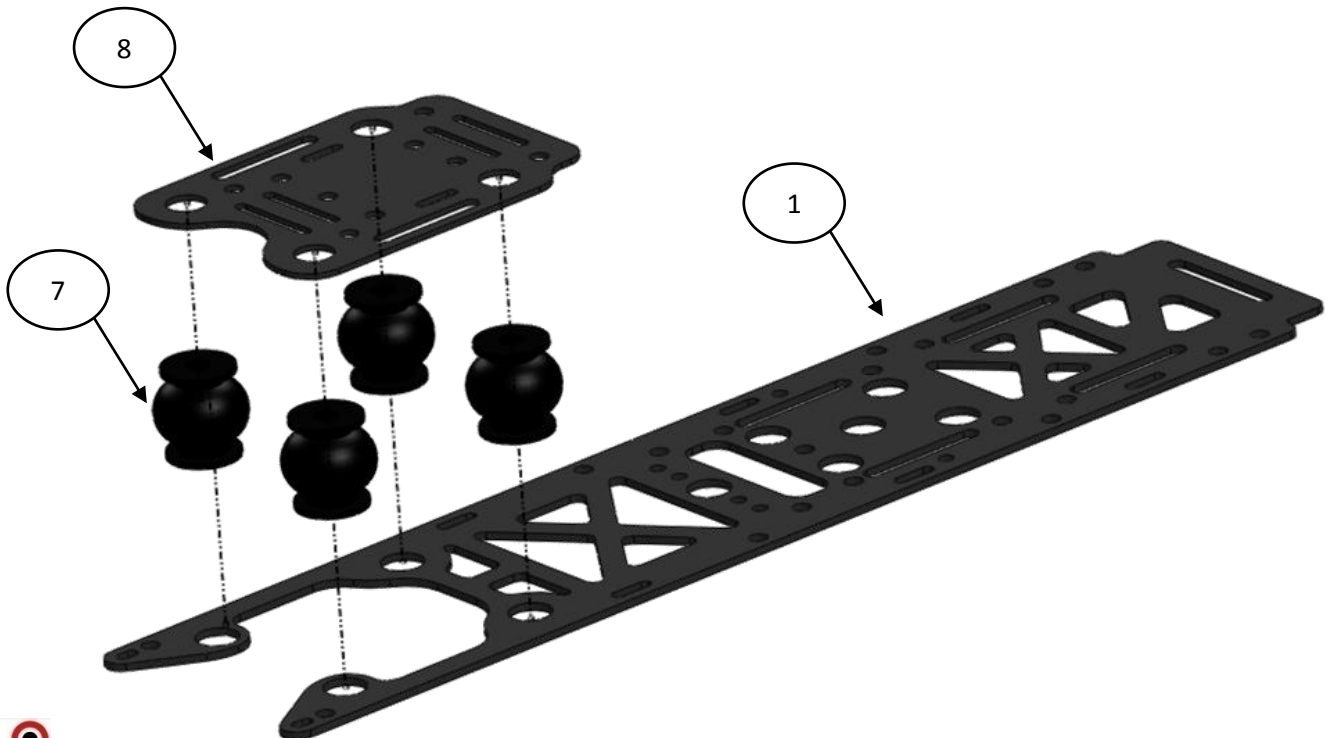


## MAIN FRAME ASSEMBLY IS NOW COMPLETE

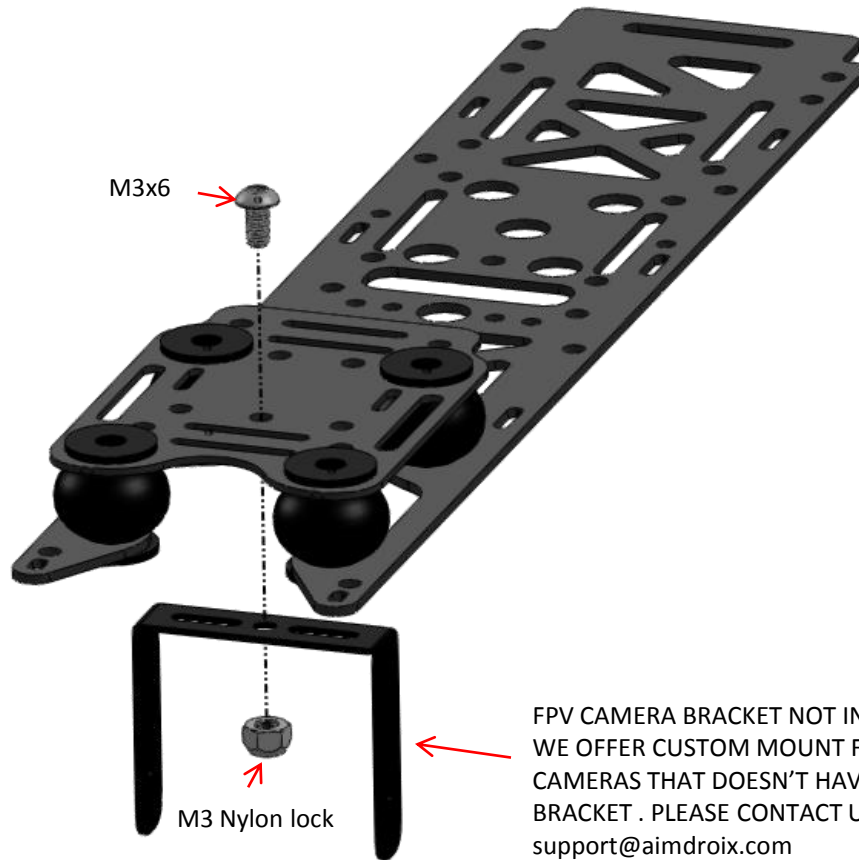
AT THIS LEVEL, YOU CAN NOW START INSTALLING THE MOTOR S, ESC, RECEIVER, AND OTHER ELECTRONICS THAT YOU WANT TO HAVE IN YOUR BLACKBIRD 250.



## CAMERA PLATE

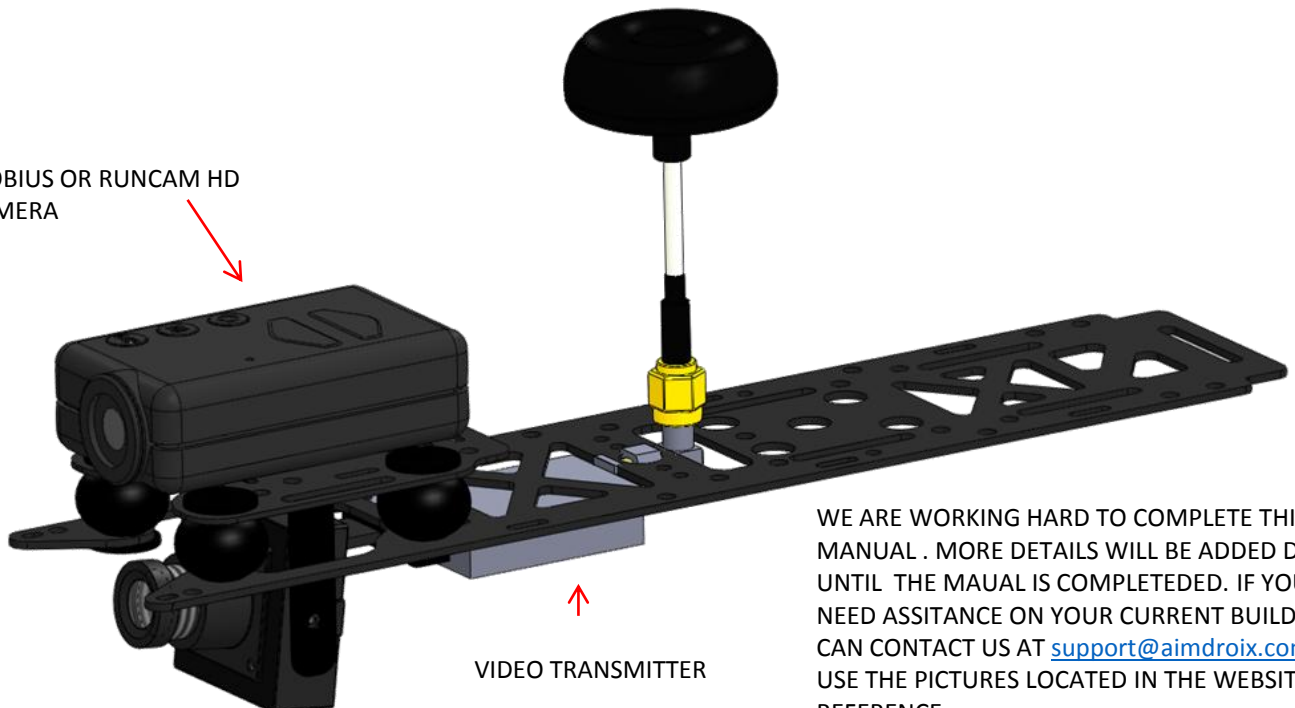


# FPV CAMERA MOUNT



FPV CAMERA BRACKET NOT INCLUDED. WE OFFER CUSTOM MOUNT FOR FPV CAMERAS THAT DOESN'T HAVE A MOUNTING BRACKET . PLEASE CONTACT US AT [support@aimdroix.com](mailto:support@aimdroix.com)

## CAMERAS AND VTX CONFIGURATION EXAMPLE



WE ARE WORKING HARD TO COMPLETE THIS MANUAL . MORE DETAILS WILL BE ADDED DAILY UNTIL THE MAUAL IS COMPLETED. IF YOU NEED ASSITANCE ON YOUR CURRENT BUILD, YOU CAN CONTACT US AT [support@aimdroix.com](mailto:support@aimdroix.com) . USE THE PICTURES LOCATED IN THE WEBSITE AS REFERENCE.

