

LOBIT320R Y6

ASSEMBLY MANUAL

List of Screws and Nuts 1:1 Scale

320R Frame Kit

 M2.5 x 5mm x 24 ea

 M2.5 x 8mm x 8 ea

 M2.5 x 10mm x 2 ea

 M2.5 x 15mm x 6 ea

 M3 x 6mm x 24 ea

 M3 x 8mm Tapping (Side cover) x 8 ea

 M3 x 12mm x 15 ea

 M2 x 3mm Tapping x 4 ea

 M3 Nut x 15 ea

 M3 Washers x 24 ea

 Damper x 8 ea

320R Main PCB Board

 M3 x 12mm x 4 ea

 M3 x 5mm Spacer x 4 ea

 M3 Nut x 4 ea

 Damper x 4 ea

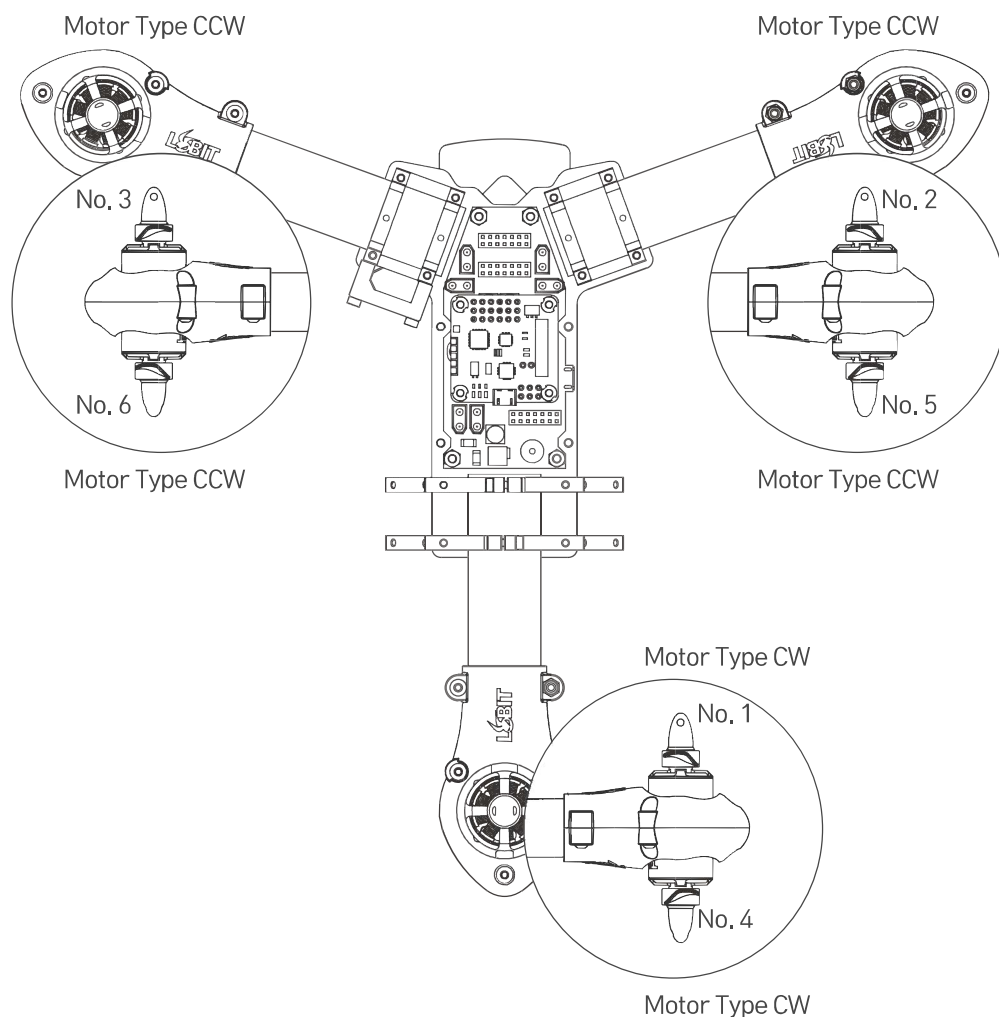
Part List

320R Frame Kit

Name	Part Code	Qty
320 Main Upper Panel	32CB41	1
320 Main Lower Panel	32CB42	1
320 Front Arm	32CB43	2
320 Rear Arm	32CB44	1
Arm Clamp	LOAL43	2
Rear Arm Clamp	32AL41	2
Canopy Assembly	LOPL31	1
Motor Mount Set (Black or White)		6
- Black Mount Set	LOPL41	
- White Mount Set	LOPL40	
Camera Mount Set	LOAL41	
- Camera Mount		1
- Camera Bracket		1
- Damper		8
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XT60 Connector Clamp	LOAL42	1
Canopy Support	LOCB41	1
Side Corver	LOPL45	2
Battery Non Slip	LOPD11	1
Velcro Battery Starp	LOBE42	1
Sticker		1
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Bolt M2,5x5mm		24
Bolt M2,5x8mm		8
Bolt M2,5x10mm		2
Bolt M2,5x15mm		6
Bolt M3x6mm		24
Bolt M3x8mm_Tapping		8
Bolt M3x12mm		15
Bolt M2x3mm_Tapping		4
Nut M3		15
Washers M3		24
Hexa Wrench (Hand Tool)		1
Landing Skid	LOCB11	2

Option

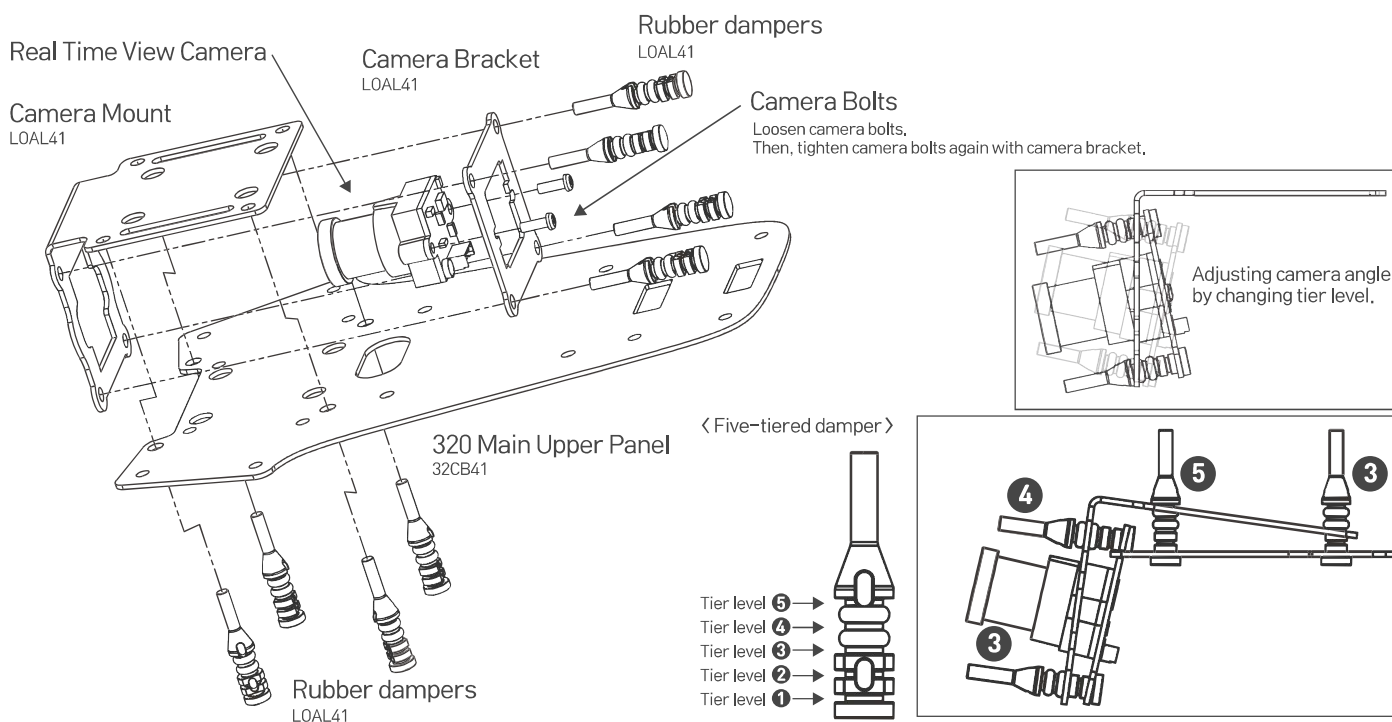
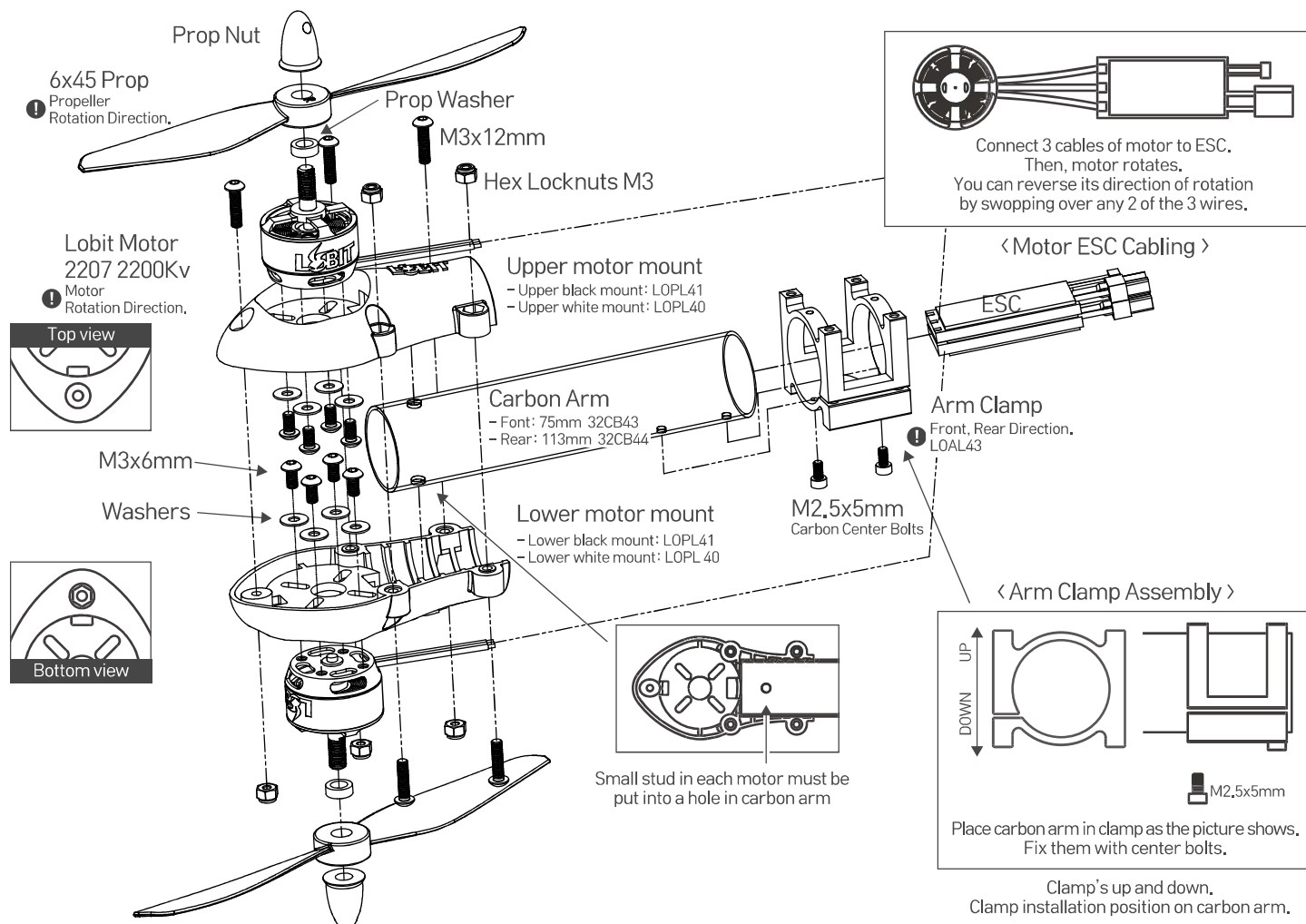
Name	Part Code
LOBIT R1 CW / CCW	LOMT42
Motor 2207 2200Kv	
LOBIT R1 ESC 20A	LOSC21
320 Main PCB Board Set	32PC41
CCD Camera 120	LOVT05
GPS Module	LOGP41
LED Module Set	32PC51
LOBIT Cable Set	LOCN41
LOBIT Propller 10Set	PR0010



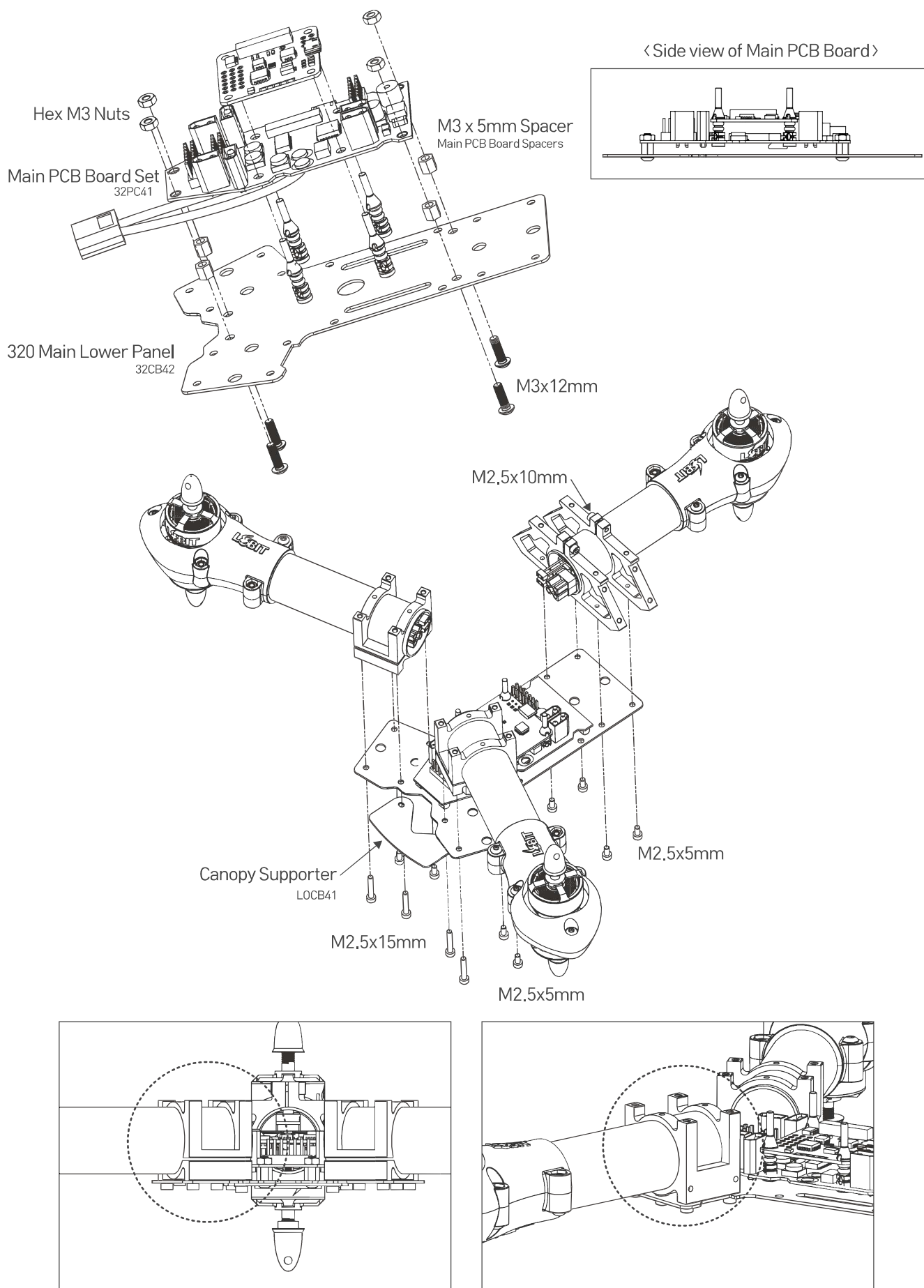
Install motor turning in the opposite direction to propeller's direction of rotation to prevent propeller loosening.

Motor Arm & Camera Assembly

Assembly of two motors in front.

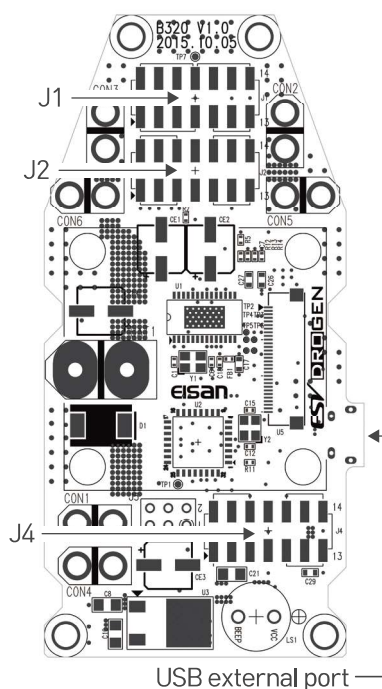


Main PCB Board & Motor Arm Assembly

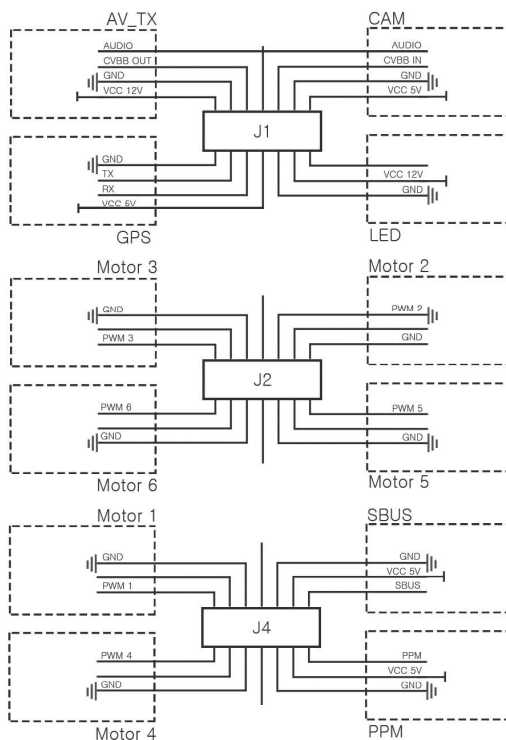


Connection Diagram

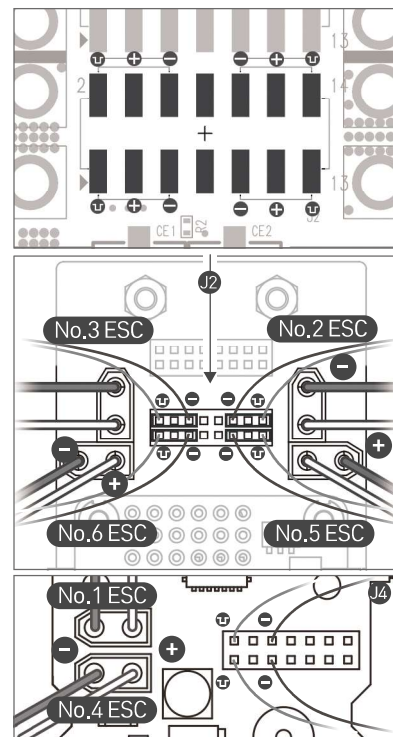
< 320 Main PCB Board >



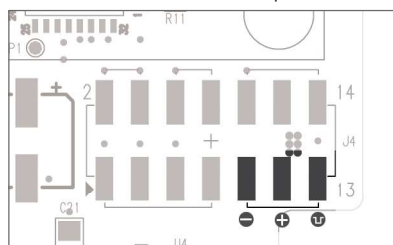
< Connector wiring diagram >



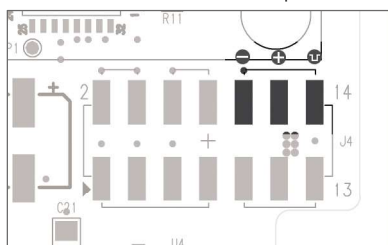
< ESC Connector / J2 >



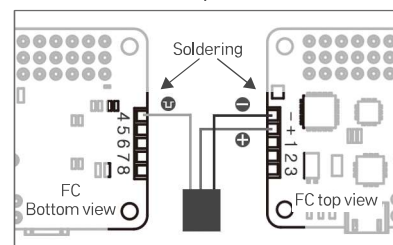
< J4 : PPM Setup >



< J4 : S-BUS Setup >

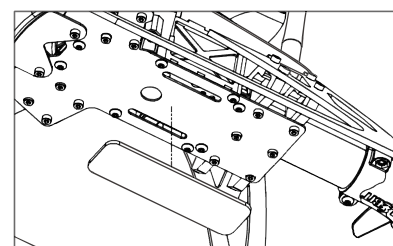
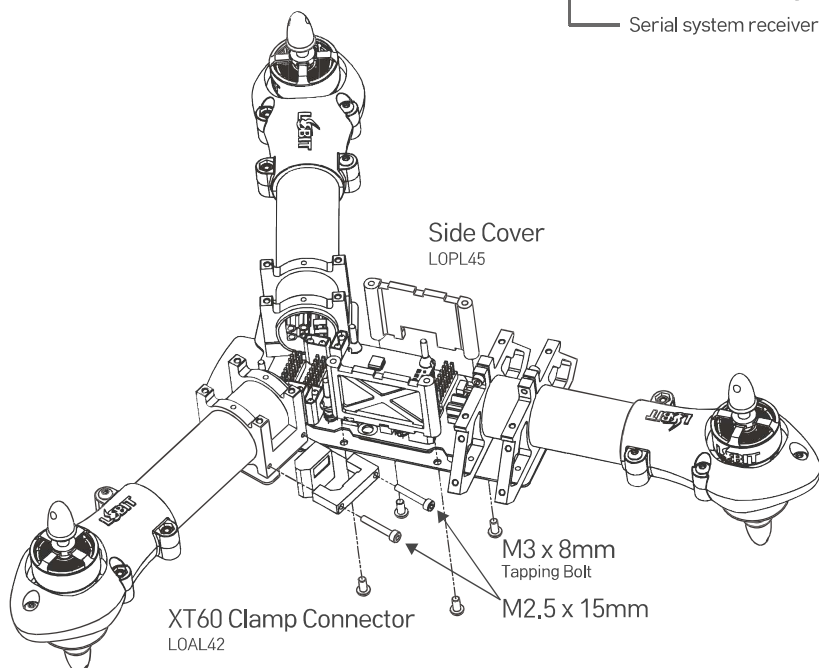


< DSMx / SUMD >

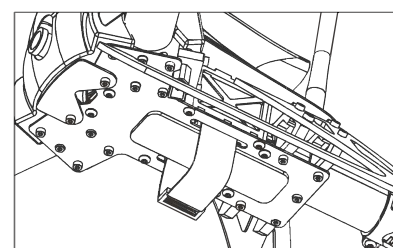


GPS Remove Module

Serial system receiver and GPS cannot be used at the same time.

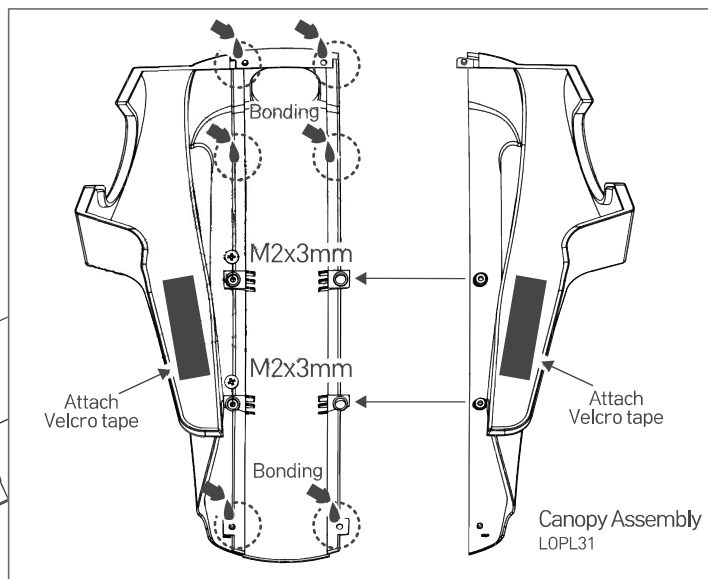
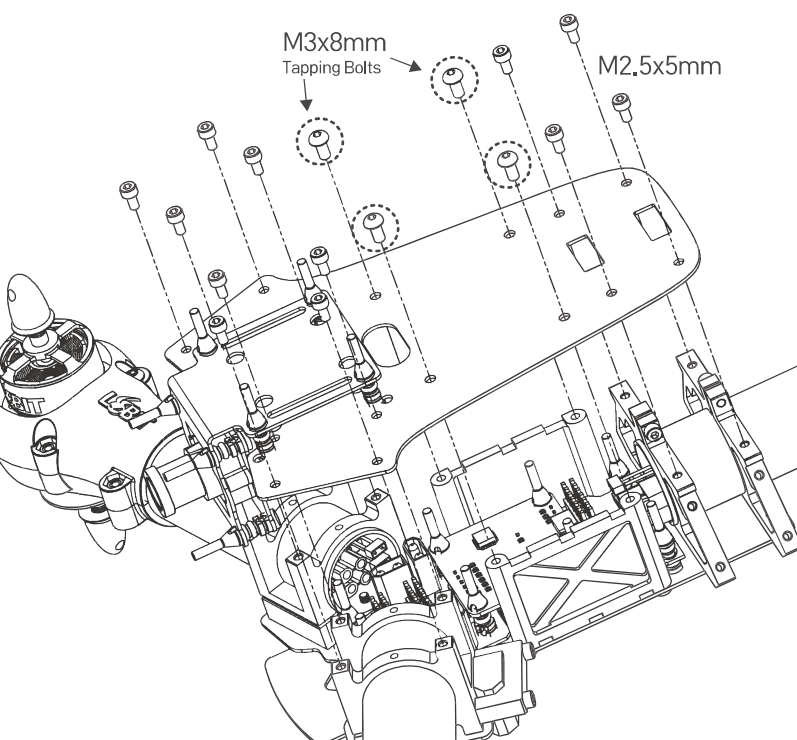


Attach non-slip pad for battery to Main Lower Panel.



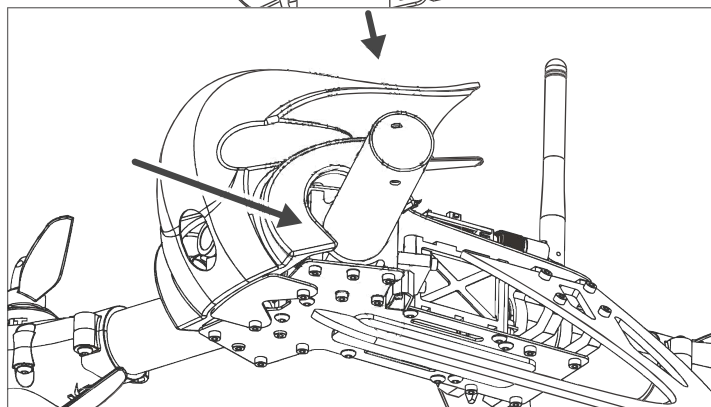
Tie up Velcro Battery Straps using holes.

Part Assembly Drawing

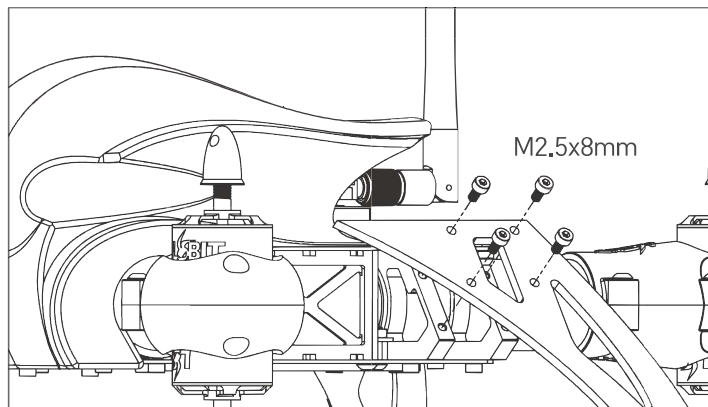


Make sure that they fit into the holes.

< Landing Skid Assembly >

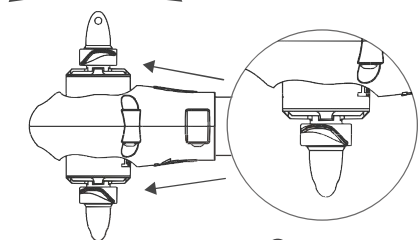


Put front part of canopy on front arm as the picture shows.
Then, press rear part of canopy.



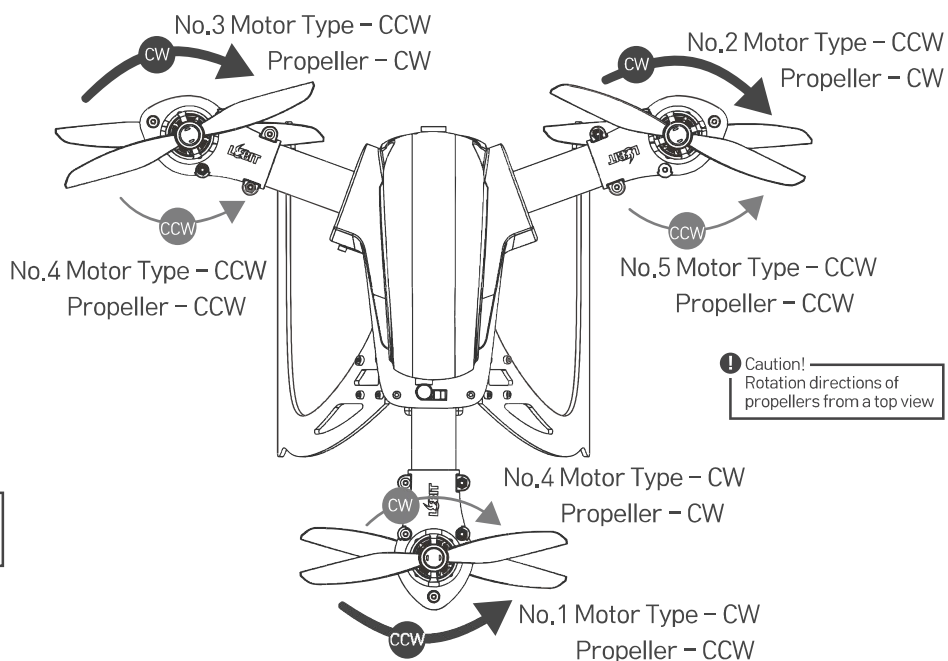
Please do not over-tighten them.

Upper propeller



Lower propeller

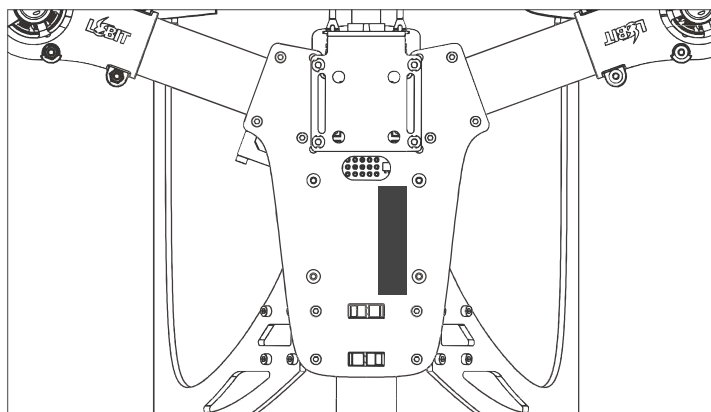
Caution!
Check rotation directions of upper propeller and lower propeller.



Caution!
Rotation directions of propellers from a top view

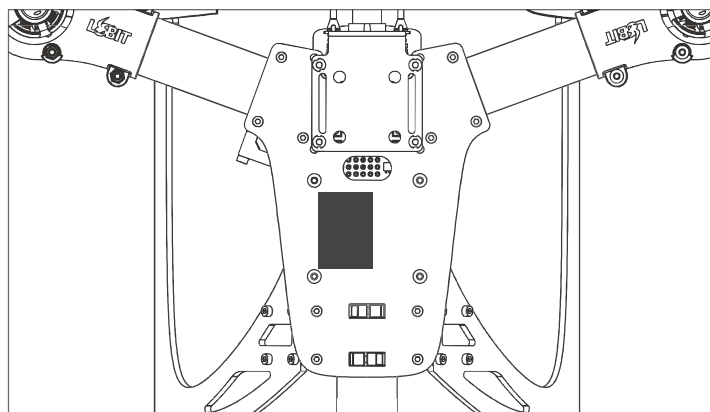
< Propeller rotation direction >

Recommend



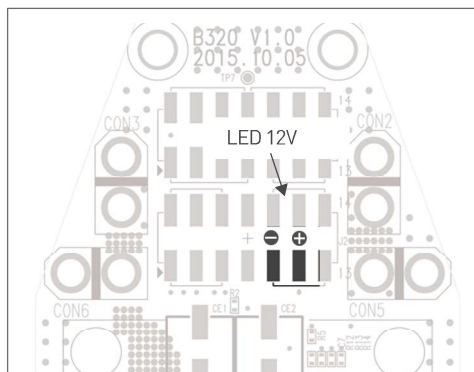
< 2.4Ghz 6ch Receiver >

Fix it on position 1 or 2 using double-sided tape.
At least 6 channels are needed,
PWM not supported.

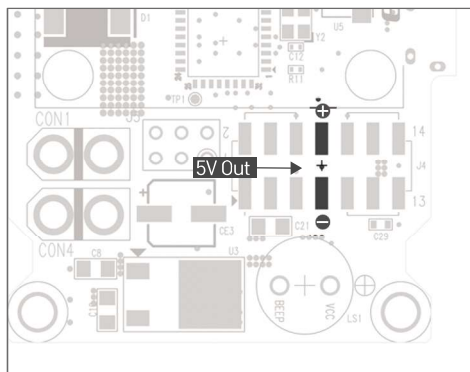


< VTX installation position (installed inside) >

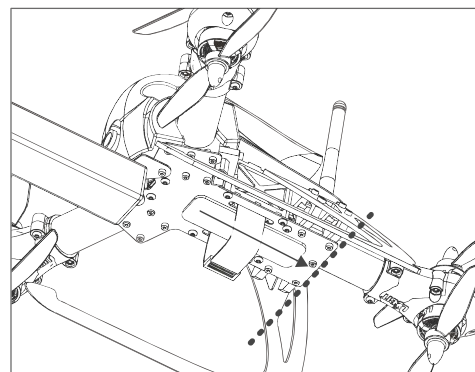
Fix it on position 1 or 2
for easier frequency channel change.



< J1 >

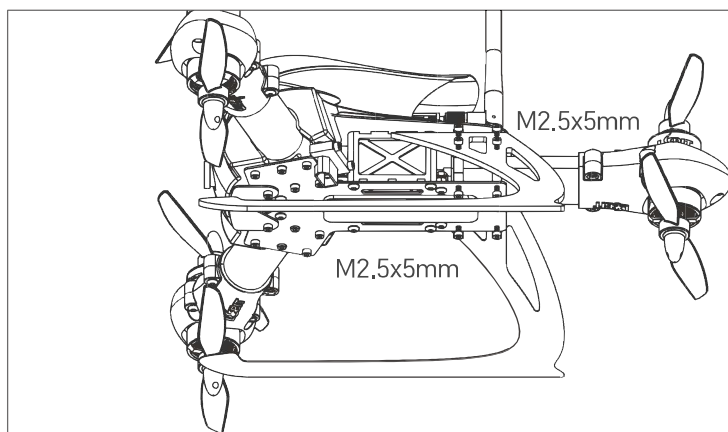


< J4 >

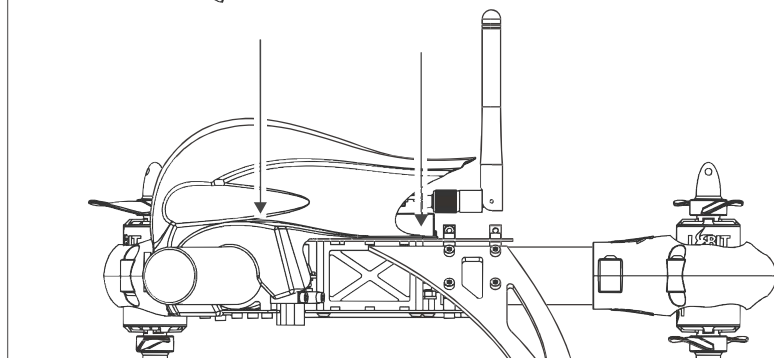


< Battery installation >

Push the battery until the end line of
frame to balance weight.



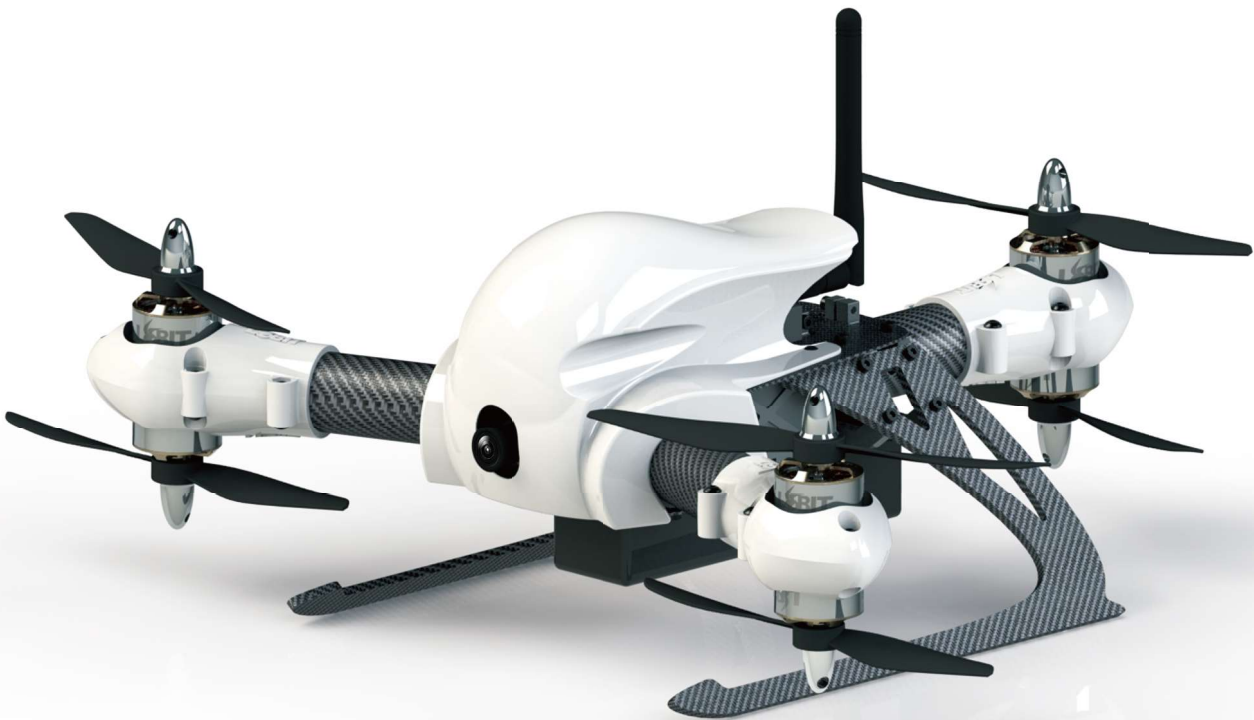
Move landing skids to make them parallel.
You can do this by loosening screws a bit.
Tighten them again when the job is done.



Place your drone on a flat ground.
Then, adjust balance by pressing arm clamps.

< How to balance carbon >

LOBIT 320R



Customer support

Tel. (+82)070-5066-1232

Contact information

E-mail, drogen@drogen.co.kr

Please visit www.drogen.co.kr to find out more about us.

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