










LOBIT300GT Quad





ASSEMBLY MANUAL

List of Screws and Nuts 1:1 Scale

300GT Frame Kit

-  M2.5 x 5mm x 32 ea
-  M2.5 x 15mm x 8 ea
-  M3 x 6mm x 18 ea
-  M3 x 8mm Tapping (Side cover) x 16 ea
-  M3 x 12mm x 20 ea
-  M2 x 3mm Tapping x 4 ea
-  M3 Nut x 20 ea
-  M3 Washers x 16 ea
-  Damper x 8 ea

300GT 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

300GT Frame Kit

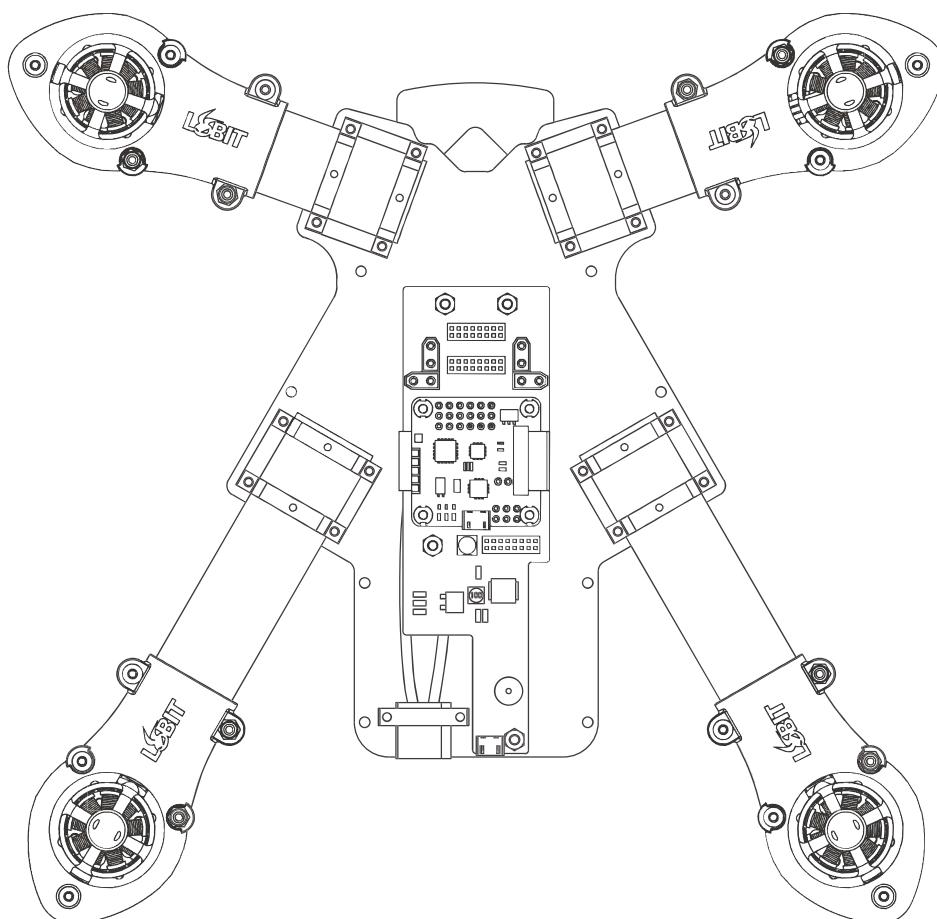
Name	Part Code	Qty
300 Main Upper Panel	30CB41	1
300 Main Lower Panel	30CB42	1
300 Front Arm	30CB43	2
300 Rear Arm	30CB44	2
Arm Clamp	LOAL43	4
Canopy Assembly	LOPL31	1
Motor Mount Set(Black or White)		8
- Black Mount Set	LOPL41	
- White Mount Set	LOPL40	
Camera Mount Set	LOAL41	
- Camera Mount		1
- Camera Bracket		1
- Damper		8
XT60 Connector Clamp	LOAL42	1
Canopy Support	LOCB41	1
Dust Corver	LOPL42	4
Side Corver	LOPL45	4
Battery Non Slip	LOPD11	1
Velcro Battery Strap	LOBE42	1
Sticker		1
Bolt M2,5x5mm		32
Bolt M2,5x15mm		8
Bolt M3x6mm		18
Bolt M3x8mm_Tapping		16
Bolt M3x12mm		20
Bolt M2x3mm_Tapping		4
Nut M3		20
Washers M3		16
Hexa Wrench (Hand Tool)		1

Option

Name	Part Code
LOBIT R1 CW / CCW	LOMT42
Motor 2207 2200Kv	
LOBIT R1 ESC 20A	LOSC21
300 Main PCB Board Set	30PC41
CCD Camera 120	LOVT05
GPS Module	LOGP41
LED Module Set	30PC51
LOBIT Cable Set	LOCN41
LOBIT Propeller 10Set	PR0010

Motor Type CCW

Motor Type CW



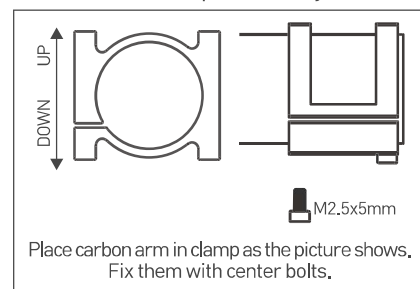
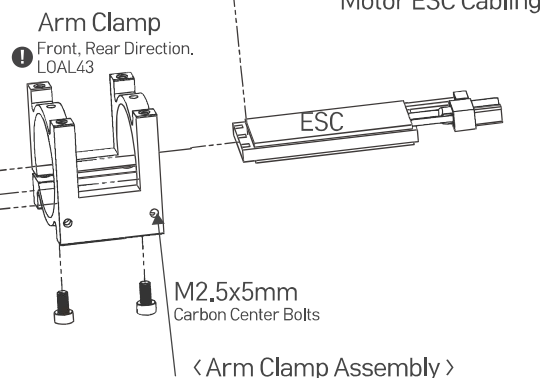
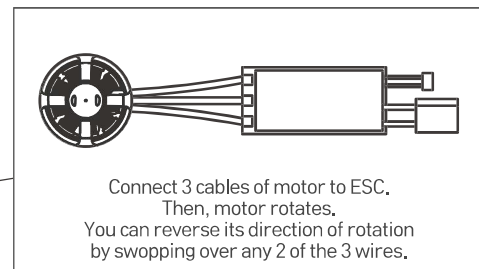
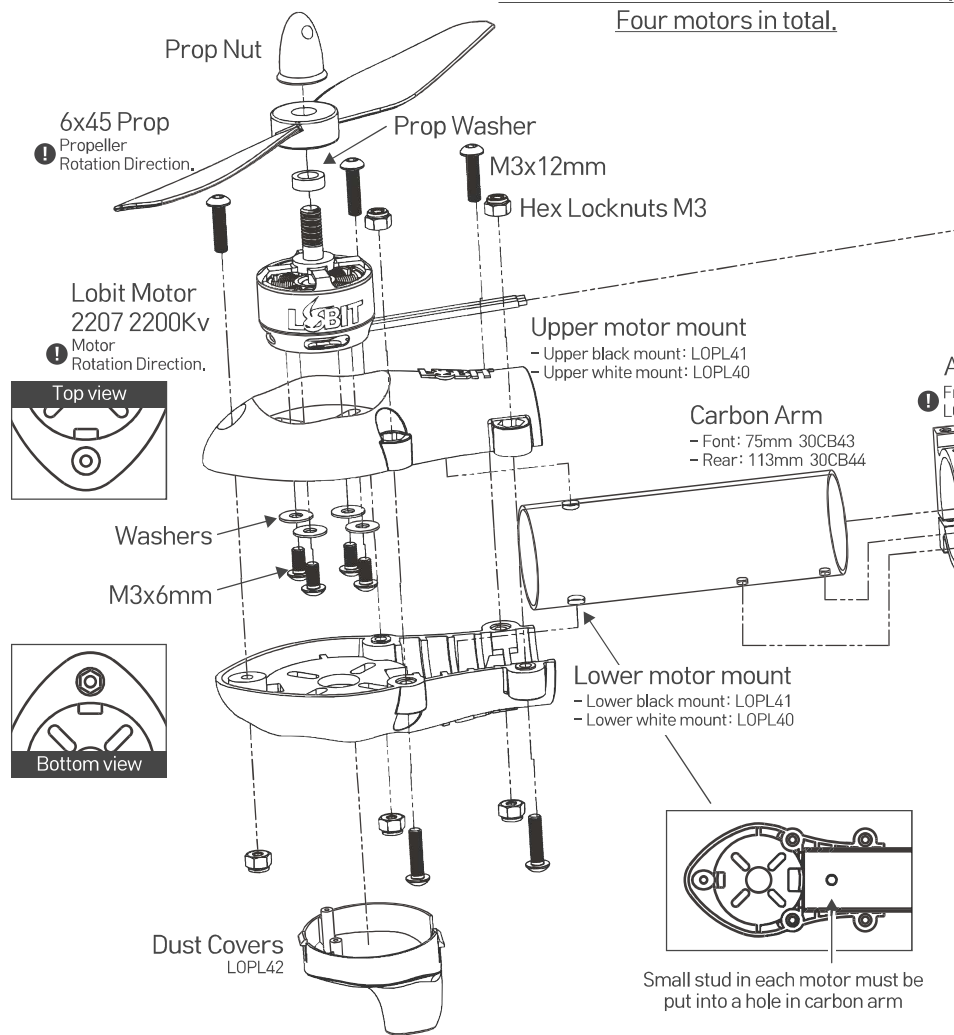
Motor Type CW

Motor Type CCW

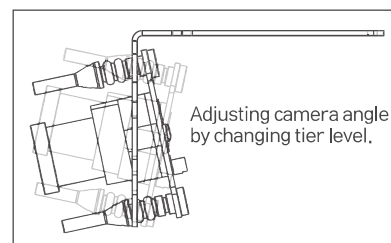
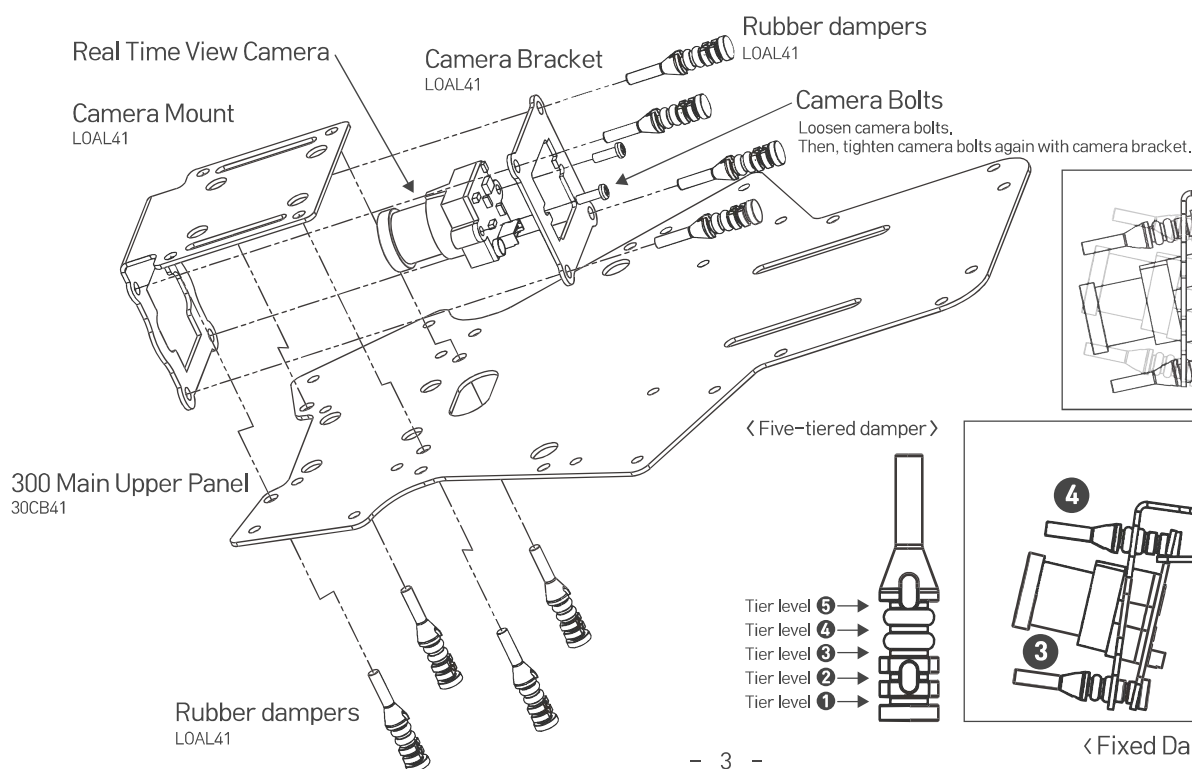
Install motor turning in the opposite direction to propeller's direction of rotation to prevent propeller loosening.

Motor Arm & Camera Assembly

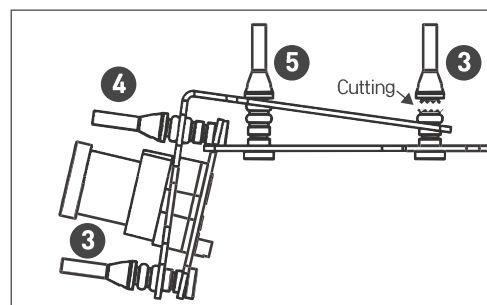
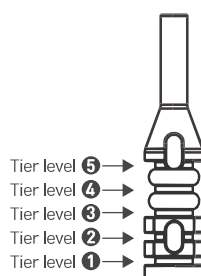
Two motors in front & two motors in back.
Four motors in total.



Clamp's up and down,
Clamp installation position on carbon arm.

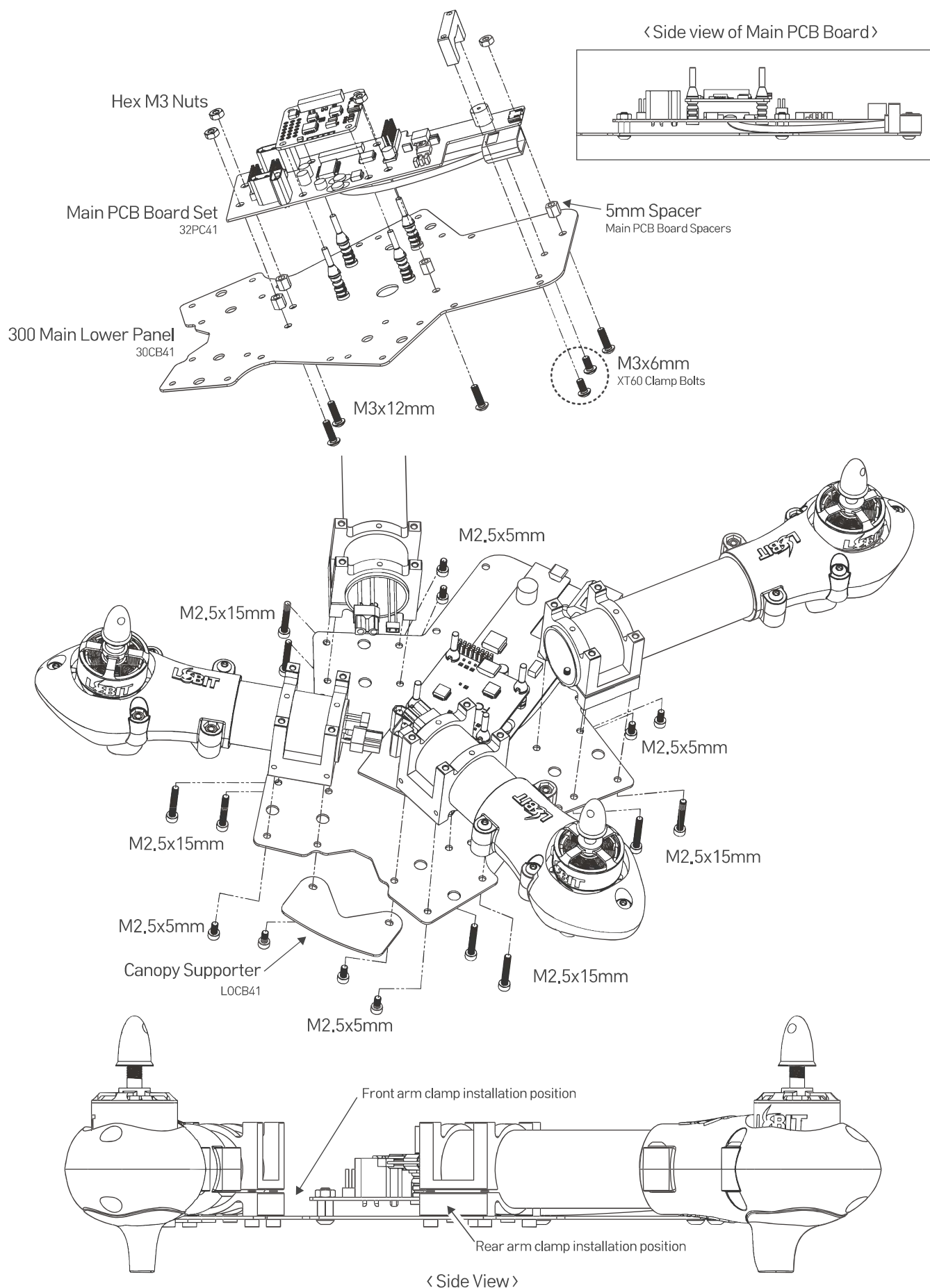


< Five-tiered damper >



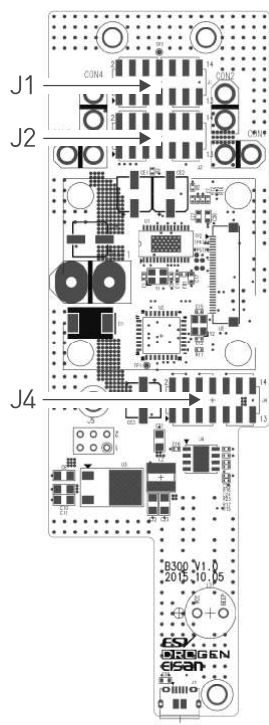
< Fixed Damper Position >

Main PCB Board & Motor Arm Assembly



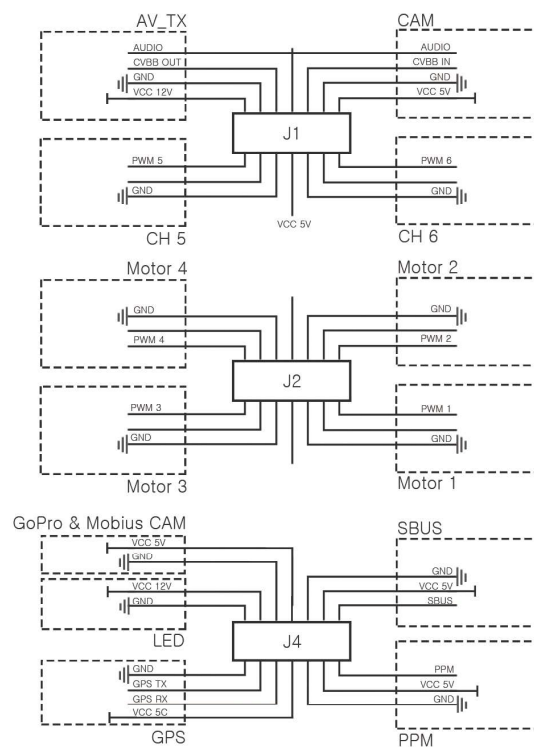
Connection Diagram

< 300 Main PCB Board >

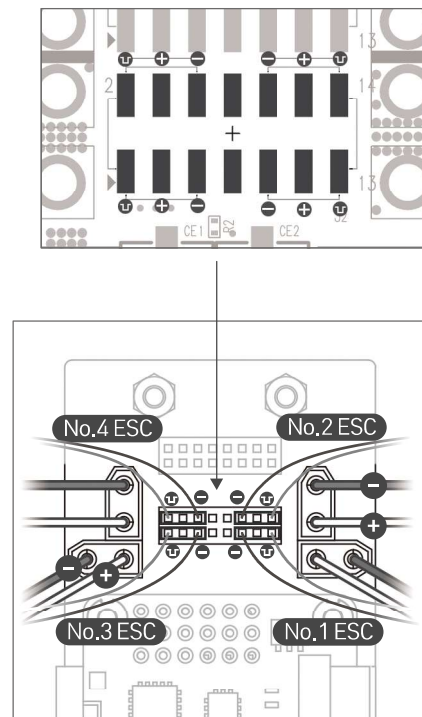


USB external port

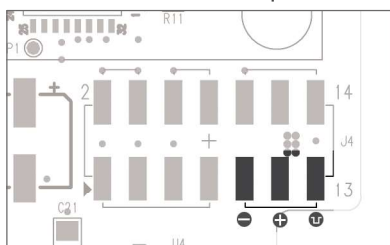
< Connector wiring diagram >



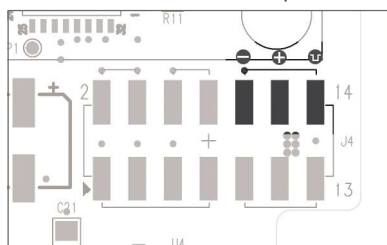
< ESC Connector / J2 >



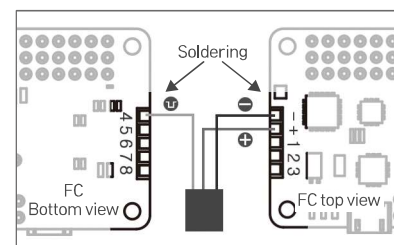
< J4 : PPM Setup >



< J4 : S-BUS Setup >

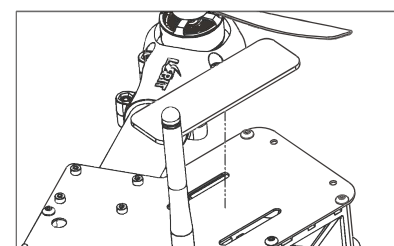
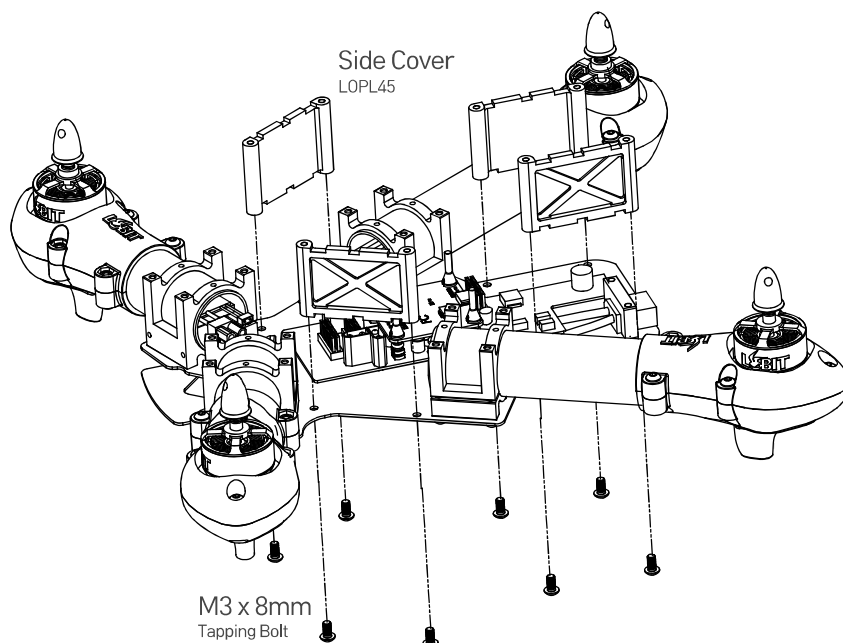


< DSMx / SUMD >

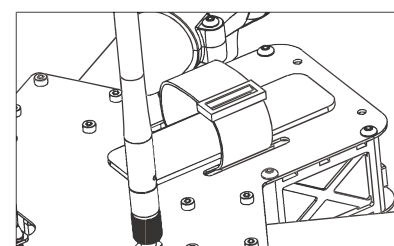


GPS Remove Module

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

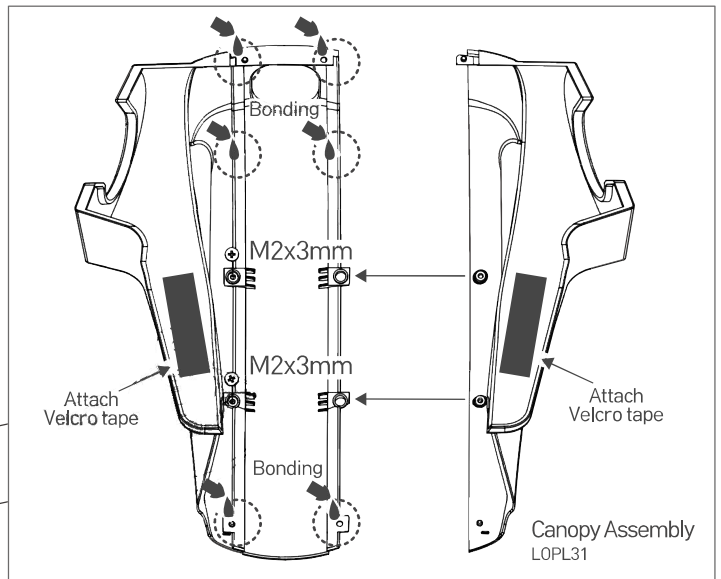
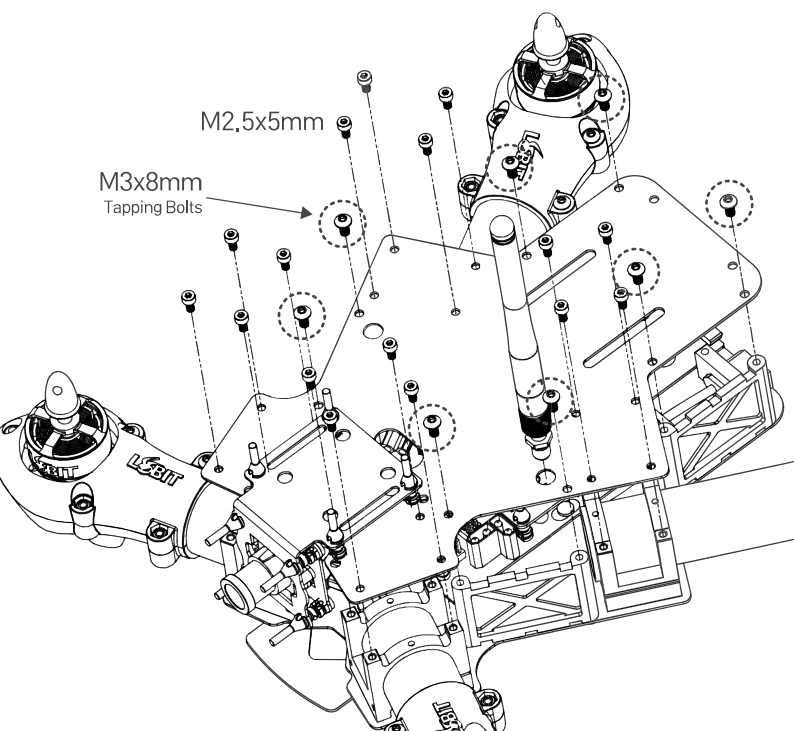


Attach non-slip pad for battery to Main Roof Panel.

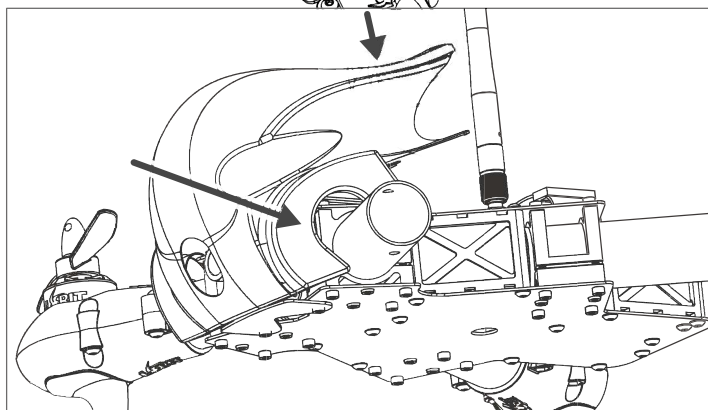


Tie up Velcro Battery Straps using holes.

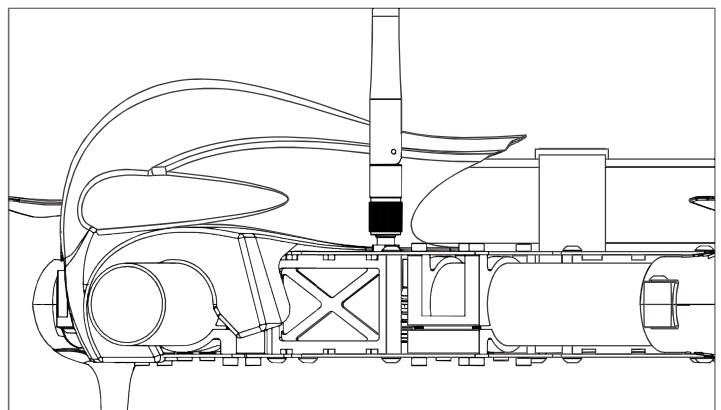
Part Assembly Drawing



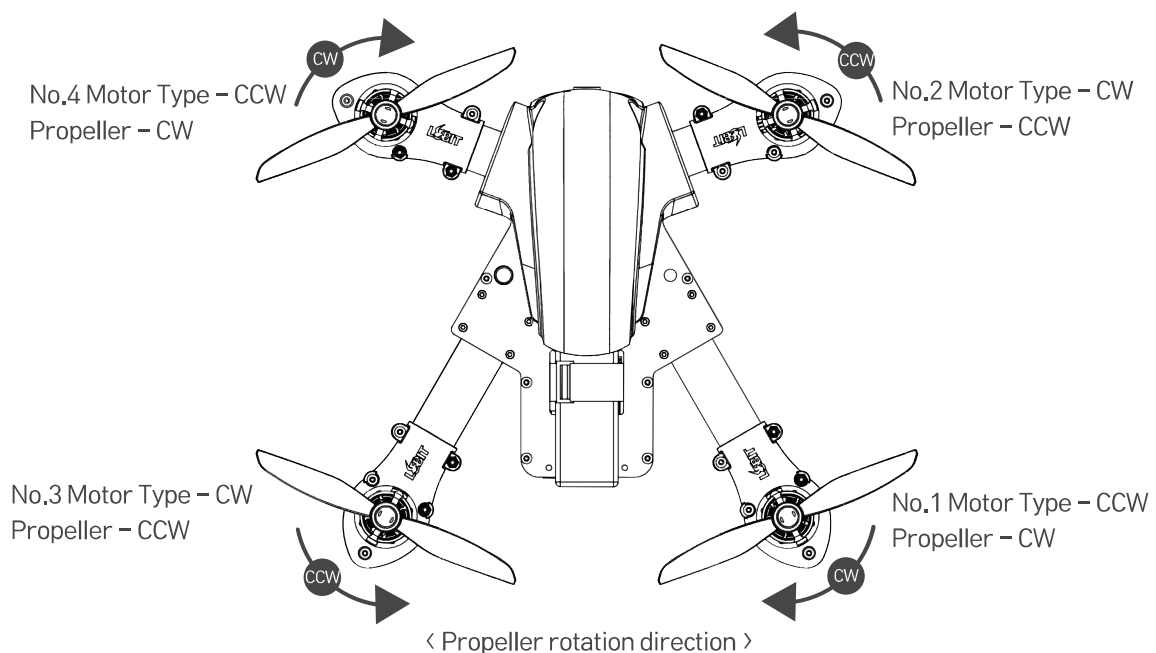
Make sure that they fit into the holes.



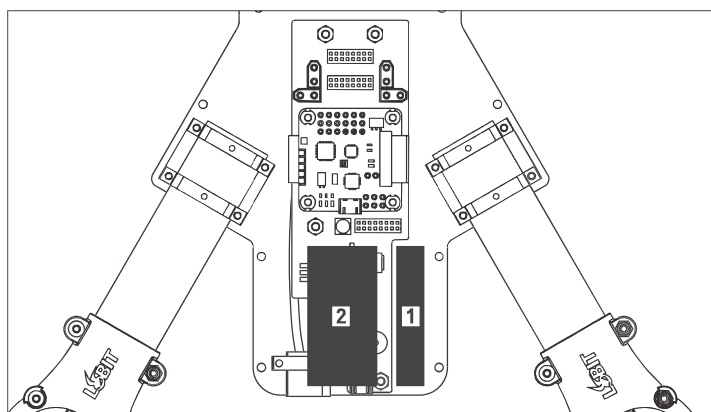
Put front part of canopy on front arm as the picture shows.
Then, press rear part of canopy.



Canopy installed

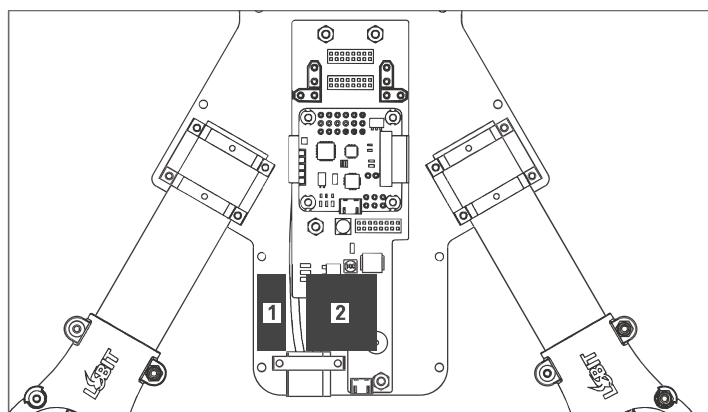


Recommend



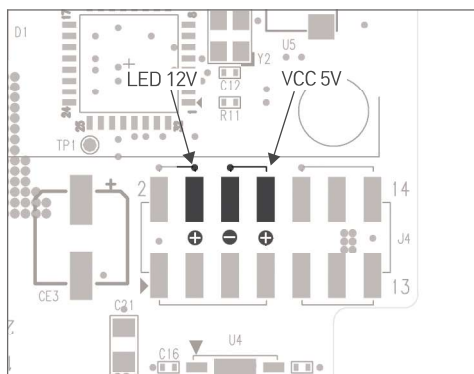
〈 2.4Ghz 6ch Receiver 〉

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

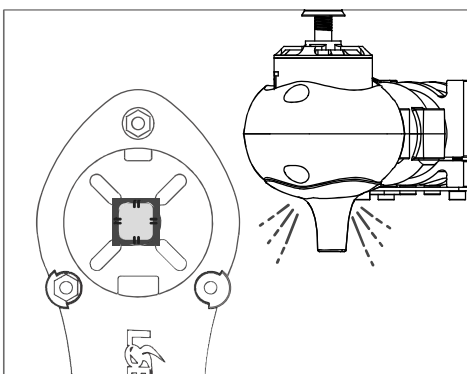


〈 VTX installation position (installed inside) 〉

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

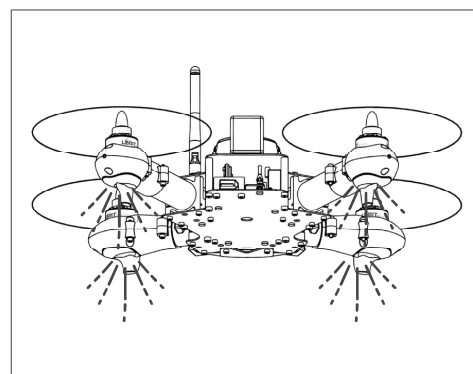


〈 J4 〉

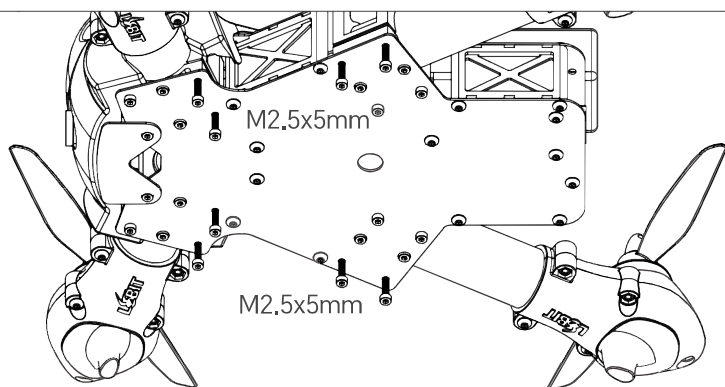


〈 Example of LED installed 〉

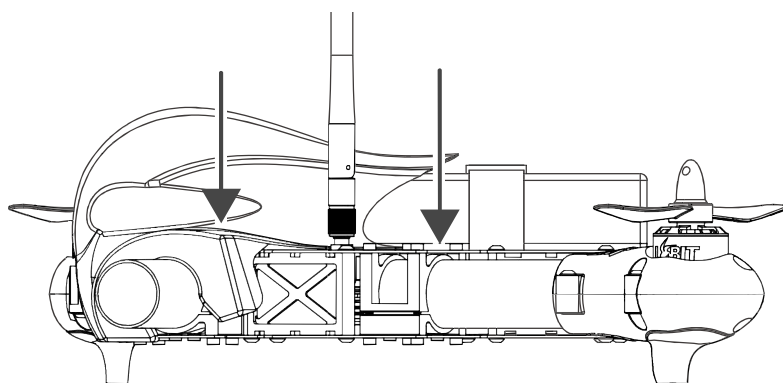
LED Module is optional



〈 Lighting effect of dust cover 〉



By loosening screws a bit,
you can change positions of carbon arms
to adjust the height of them from ground.
Tighten them again when the job is done.



After placing it on flat ground,
you can check and balance the height
of each carbon arm from ground
by pressing arm clamps.

〈 How to balance carbon arms 〉

LOBIT 300GT



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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