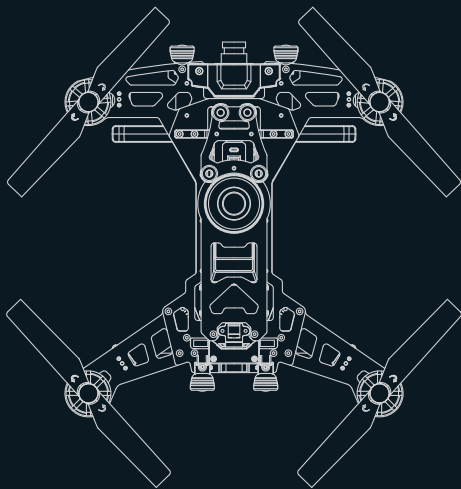

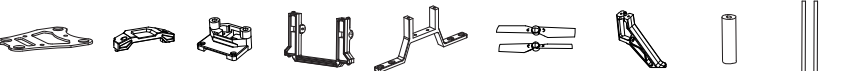





***RUNNER* 250**

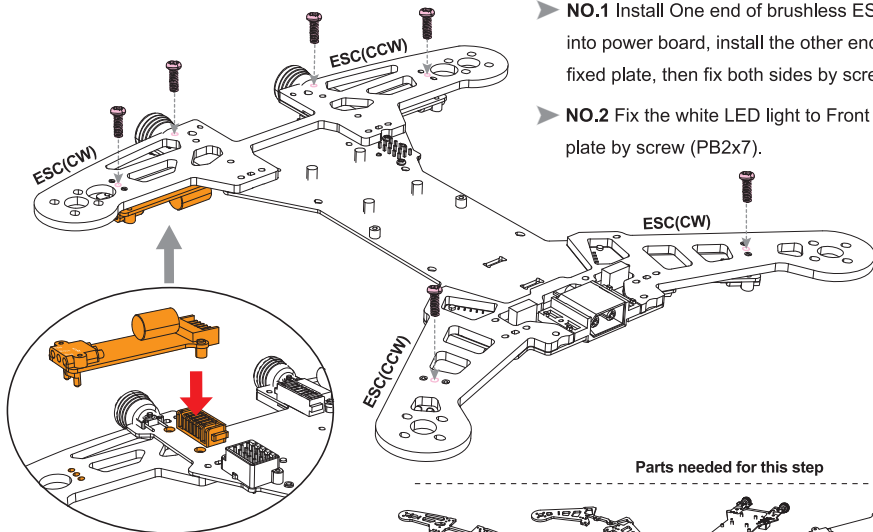


QUICK INSTALLATION GUIDE V1.1

1.0 Overall parts as follow:

Body Part (total 28 pcs)	 <p>The upper main board The bottom main board Battery fixed plate Front motor fixed plate Rear motor fixed plate Power Board vibration damping ball x4 Antenna fixed mount</p>
	 <p>The camera fixed plate x2 Decorate part Fixed block Support block support frame Propellers(CW and CCW) x2 Skid landing x4 Support pillar Antenna casing</p>
Electron part (total 15 pcs)	 <p>5.8G emitter Receiver Main Controller Brushless ESC X4 Mushroom antenna Video Camera Red light x2 Motor(CW and CCW) x2</p>
Screws (total 68 pcs)	 <p>14 pcs of PB2x7 10 pcs of PB2x14 2 pcs of PB1.7x6 12 pcs of M2x4 14 pcs of M2x8 16 pcs of M3x6</p>
Supplemental material (total 5 pcs)	 <p>M1.5 Hex Wrench M2.0 Hex Wrench Mushroom antenna wrench Velcro strap Battery anti-slip mat</p>

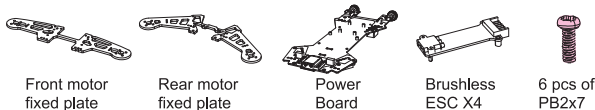
2.0 Install brushless ESC(CW/CCW), Power Board and motor fixed plate



- ▶ **NO.1** Install One end of brushless ESC(CW/CCW) into power board, install the other end into motor fixed plate, then fix both sides by screw (PB2x7)
- ▶ **NO.2** Fix the white LED light to Front motor fixed plate by screw (PB2x7).

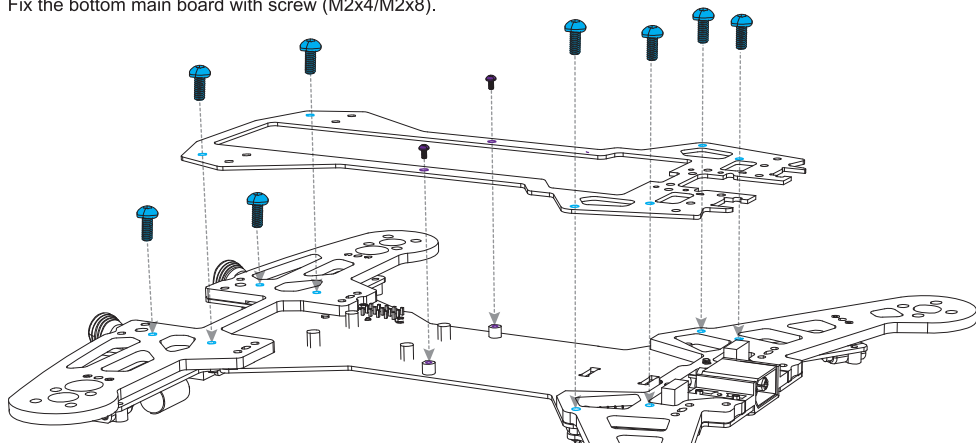
The assembling method for the 4 pcs of brushless ESC is same.

Parts needed for this step



3.0 Install the bottom main board

Fix the bottom main board with screw (M2x4/M2x8).



Parts needed for this step



The bottom
main board



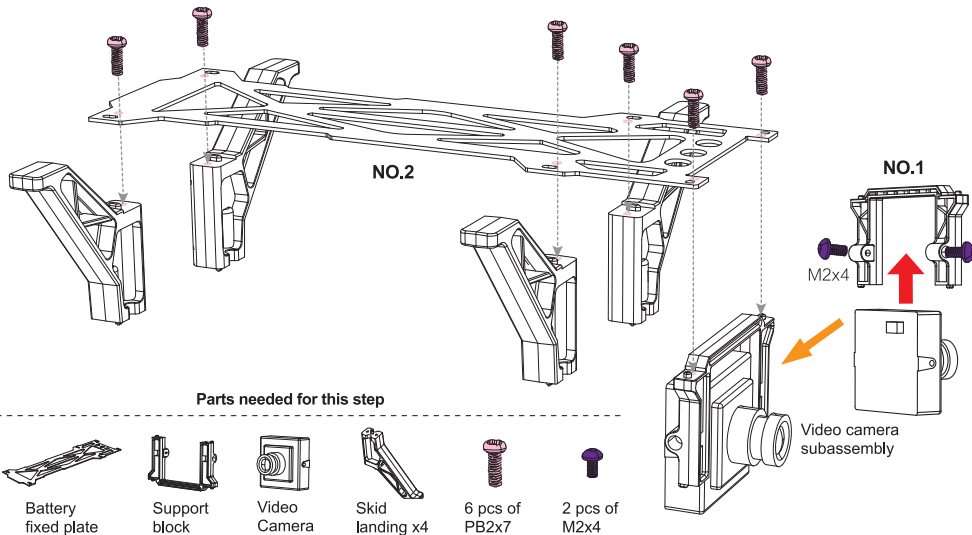
2 pcs of
M2x4 screws



8 pcs of
M2x8 screws

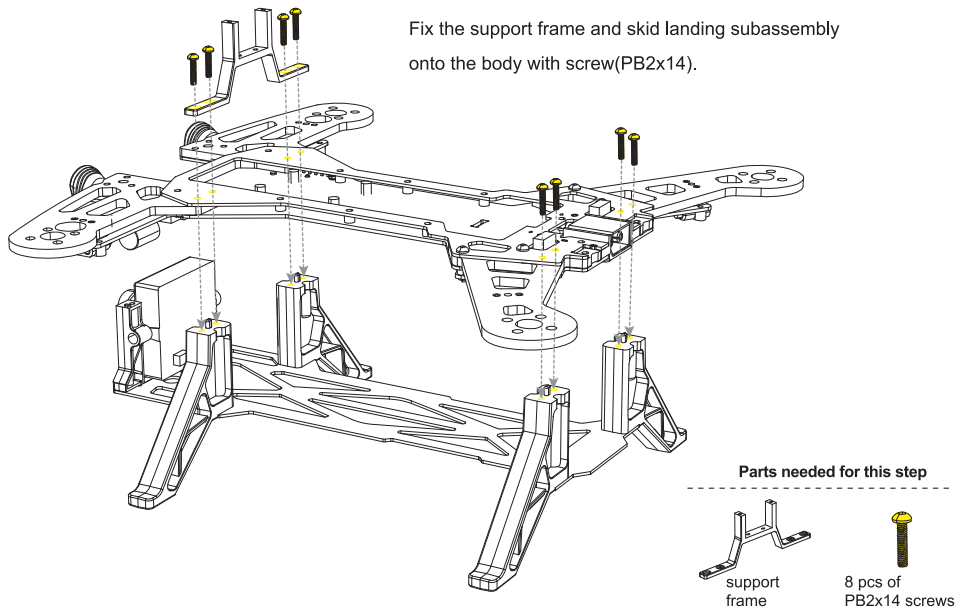
4.0 Assemble Skid landing , video camera, support block and battery fixed plate

- ▶ **NO.1** Fix the video camera on support block with screw (M2x4).
- ▶ **NO.2** Fix the video camera subassembly and 4 pcs of skid landing onto the battery fixed plate with screw (PB2x7).



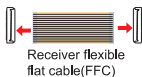
5.0 Assemble support frame and skid landing subassembly

Fix the support frame and skid landing subassembly onto the body with screw(PB2x14).



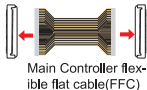
6.0 Assemble receiver, Main Controller and 5.8G emitter

The metal surface of flexible flat cable plug should be inserted upward to receiver port properly.



The metal surface of flexible flat cable plug should be inserted downward to power board port properly.

The metal surface of flat cable plug should be inserted upward to main controller port properly.



The metal surface of flexible flat cable plug should be inserted downward to power board port properly.

When installing

the receiver and Main

Controller, the metal surface of flexible flat cable(FFC) should be inserted upward properly and fastened then fix it onto the power board with double side tape.

Put the 5.8G emitter onto the power board with screw (M2x8), and then install the mushroom antenna.

Parts needed for this step



Mushroom antenna



TX5816 or TX5817 emitter



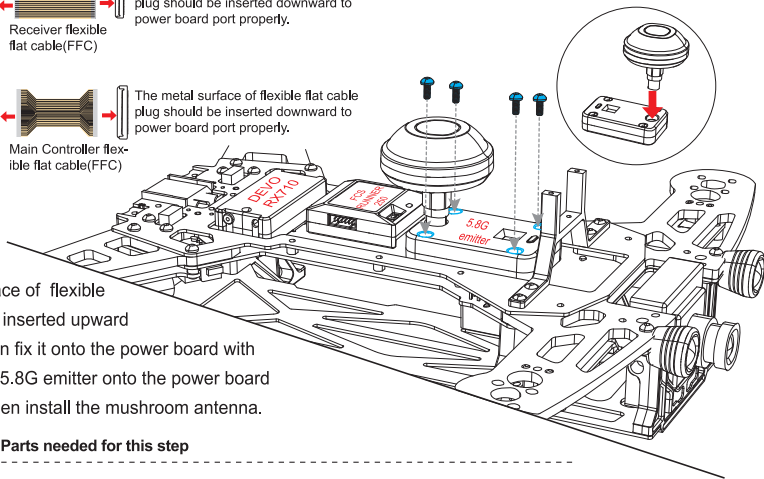
DEVO-RX710 Receiver



FCS-RUNNER 250 Main Controller

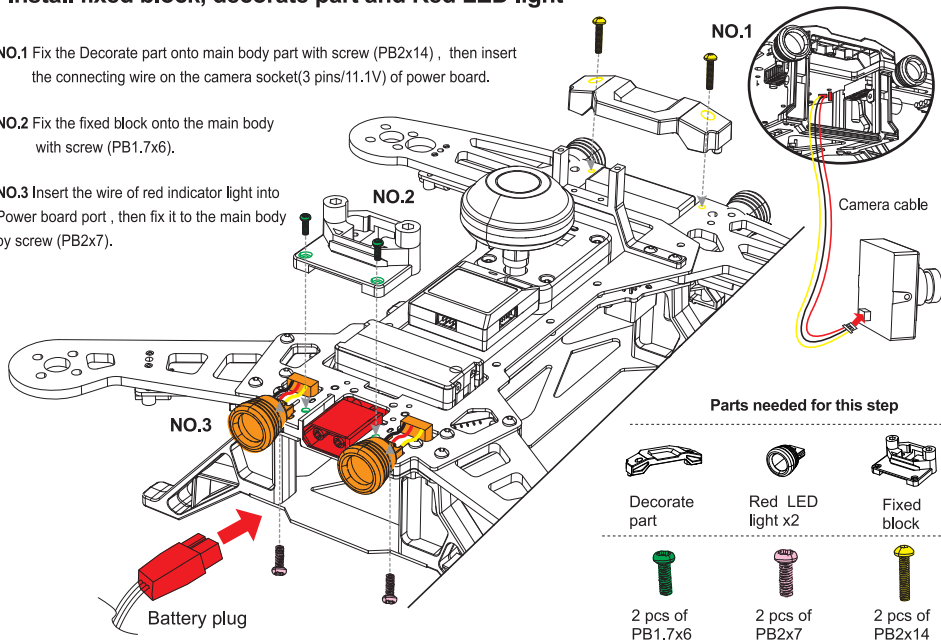


4 pcs of M2x8 screws



7.0 Install fixed block, decorate part and Red LED light

- ▶ **NO.1** Fix the Decorate part onto main body part with screw (PB2x14), then insert the connecting wire on the camera socket(3 pins/11.1V) of power board.
- ▶ **NO.2** Fix the fixed block onto the main body with screw (PB1.7x6).
- ▶ **NO.3** Insert the wire of red indicator light into Power board port, then fix it to the main body by screw (PB2x7).



8.0 Install the upper main board and camera fixed plate.

- ▶ **NO.1** Fix the Support pillar to the upper main board by screw (M2x4).
- ▶ **NO.2** Fix the upper main board and camera fixed plate by screw(M2x4), then put on the damping balls.
- ▶ **NO.3** Use the screw (M2x8) to fix both from the inner side.

Parts needed for this step



The camera fixed plate x2



vibration damping ball x4



The upper main board



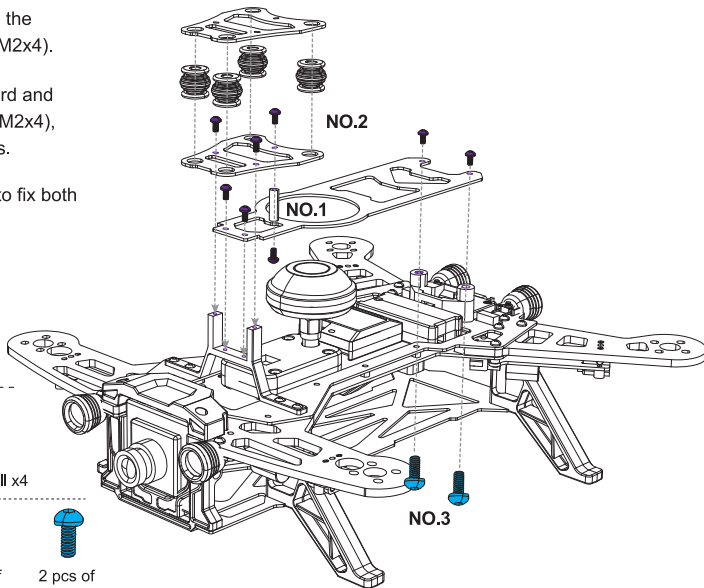
Support pillar



8 pcs of M2x4

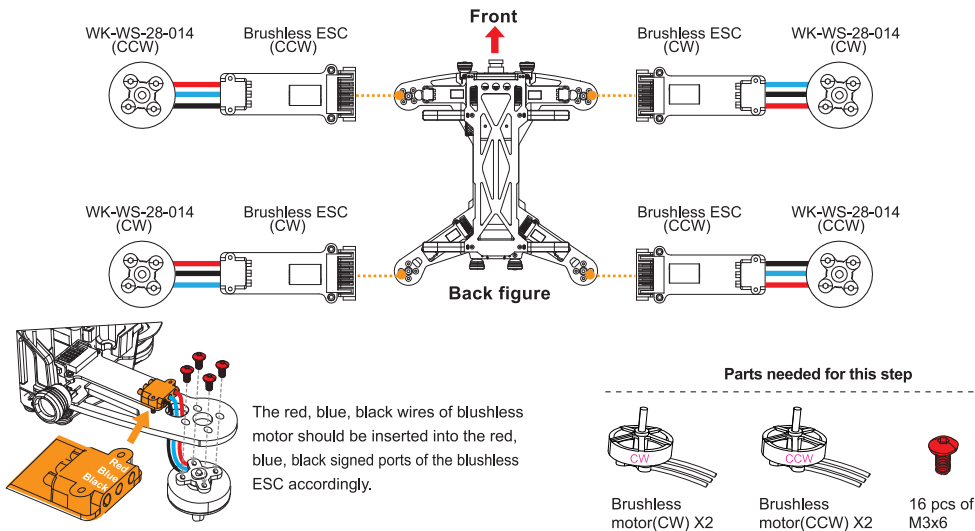


2 pcs of M2x8



9.0 Install the motor

Fix the clockwise and counterclockwise motor to the motor fixed plate respectively by screw (M3x6), then insert the brushless motor wires to the port of the brushless ESC according to the red, blue, black signed ports.



10.0 Install propellers

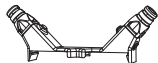
Fix the clockwise propeller(white cap) onto the clockwise motor according to the direction of arrow, and fix the counterclockwise propeller(black cap) on the counterclockwise motor according to the direction of arrow. Tighten the propellers manually and make sure the propeller is installed in proper way and fastened.

11.0 Fixed the Receiver Antenna on rack

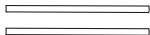
- (1) Leading the antenna across upper main board and loading it into fixed mount.
- (2) Clipping the fixed mount in upper main board.
- (3) Leading the antenna across casing and Loading the casing into fixed mount.

WARNING: The receiver antenna has to be straightened before the flight, to lengthen the communication distance.

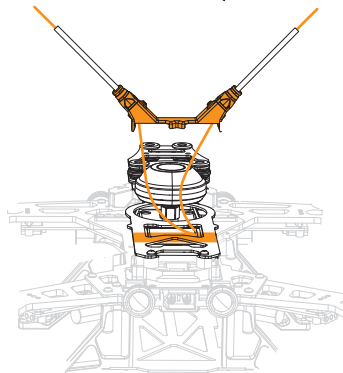
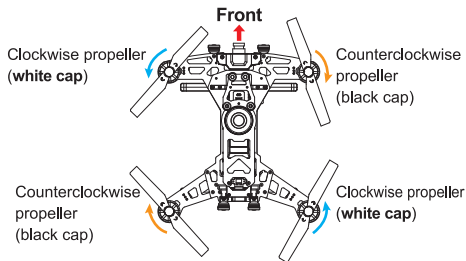
Parts needed for this step



Antenna
fixed mount



Antenna
casing





User manual is subject to change without prior notice.

Please go to Walkera official website to get the latest version.

Web: www.walkera.com

