

MUGIN EV350 ELECTRIC VTOL

BRIEF BUILD GUIDE V1



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1. EV350 and the recommended power package:

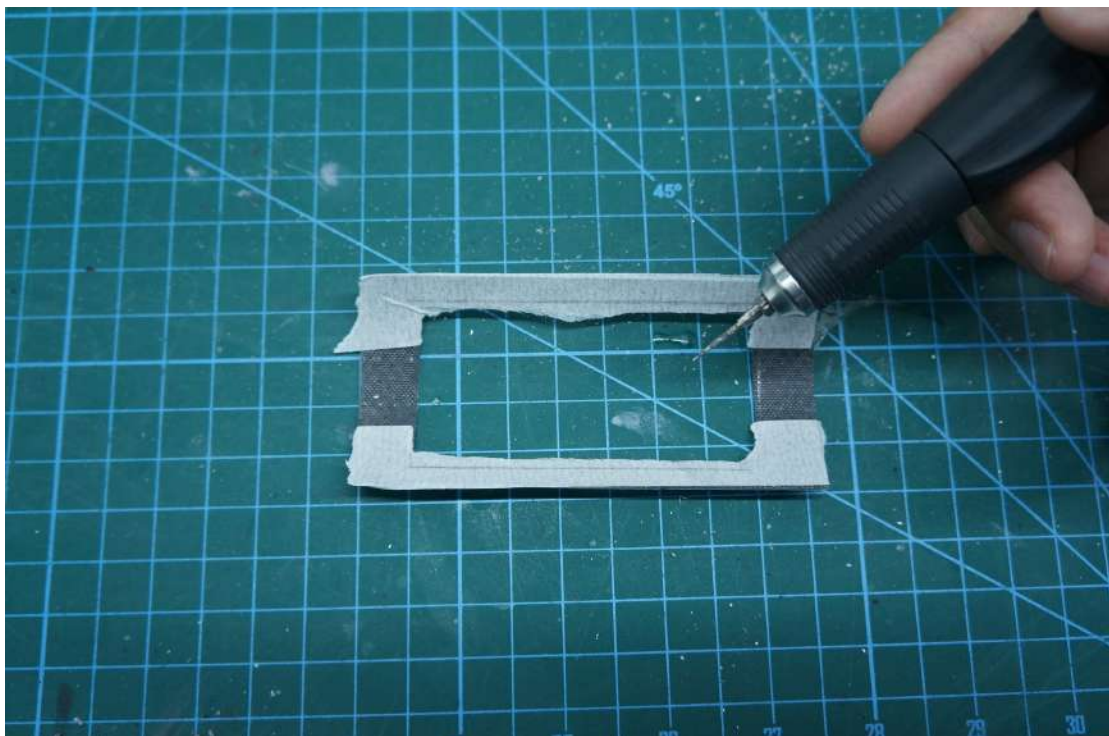
- Forward Motor: Dualsky XM6360EA-19 220KV x 1
- Forward ESC: Hobbywing 120A 12s x 1
- Forward Propeller: 21" x 1
- VTOL Motor: Eaglepower UA90 150KV x 4
- VTOL ESC: Hobbying 80A 12S ESC x 4
- VTOL Propeller: Eaglepower UC2480L 24" Propeller x 4
- Lipo Battery: Tattu HV 32000mAh 6S 10C x 2
- PDB x 1
- Pitot Tube x 1
- Accessories and Wires



2. Install the booms



A. You'll need to drill the mounting holes for motors and ESCs.





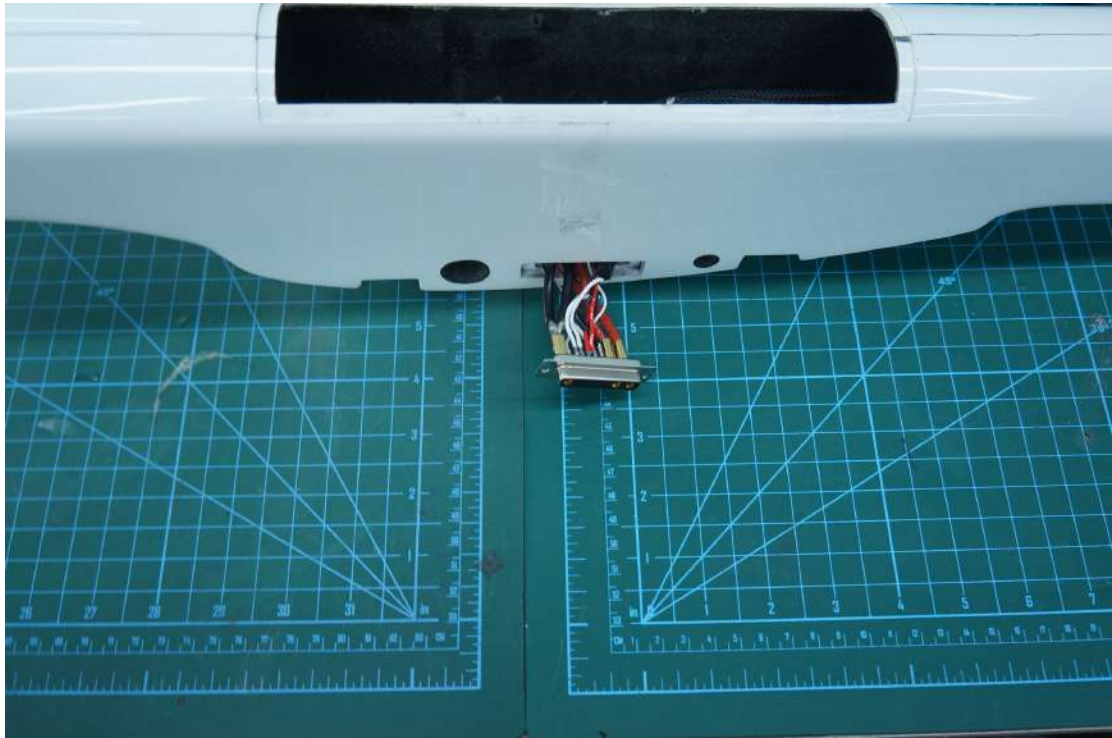
B. Before soldering, please insert the wires into the aircraft. Please note:

First: Install sleeves before wiring.

Second: Mark the function of each wire.

Third: Make certain the positive and negative are wired correct.

Fourth: Carefully check before powering on.





3. Aileron installation

- A. Drilling is required for servo installation.
- B. Make certain the drilling locations are correct.
- C. Remember to mark the functions of each wire while soldering.
- D. Insert the wires into the aircraft before soldering.
- E. Install sleeves before wiring.
- F. Make certain the positive and negative are wired correct.





4. Rudder installation

- A. Drilling is required for servo installation.
- B. Make certain the drilling locations are correct.
- C. Remember to mark the functions of each wire while soldering.
- D. Install sleeves before wiring.
- E. Make certain the negative and positive are all correctly wired.



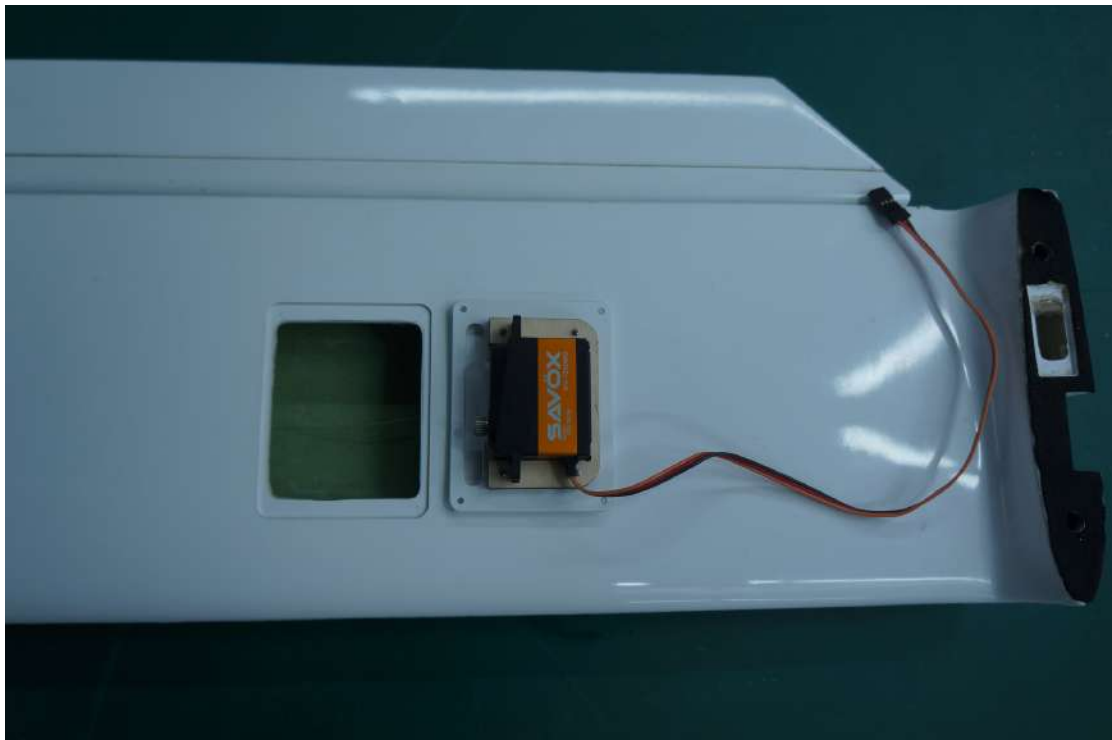




5. Elevator installation

- A. Drilling is required for servo installation.
- B. Make certain the drilling locations are correct.
- C. Remember to mark the functions of each wire after soldering.
- D. Install sleeves before wiring.
- D. Make certain the positive and negative are correctly wired.

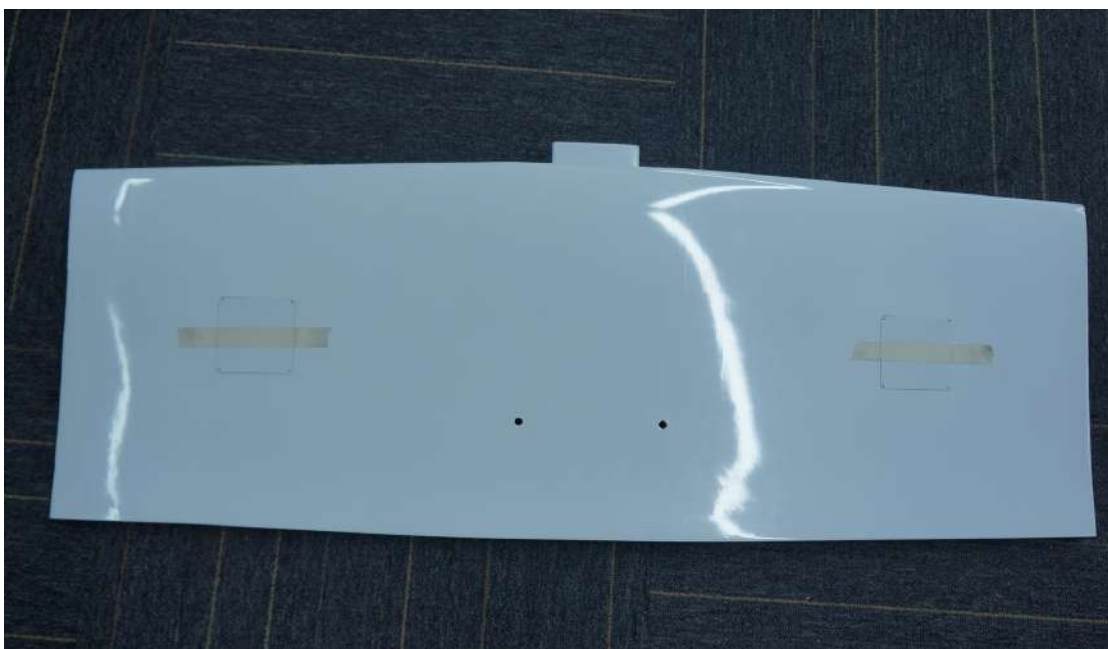


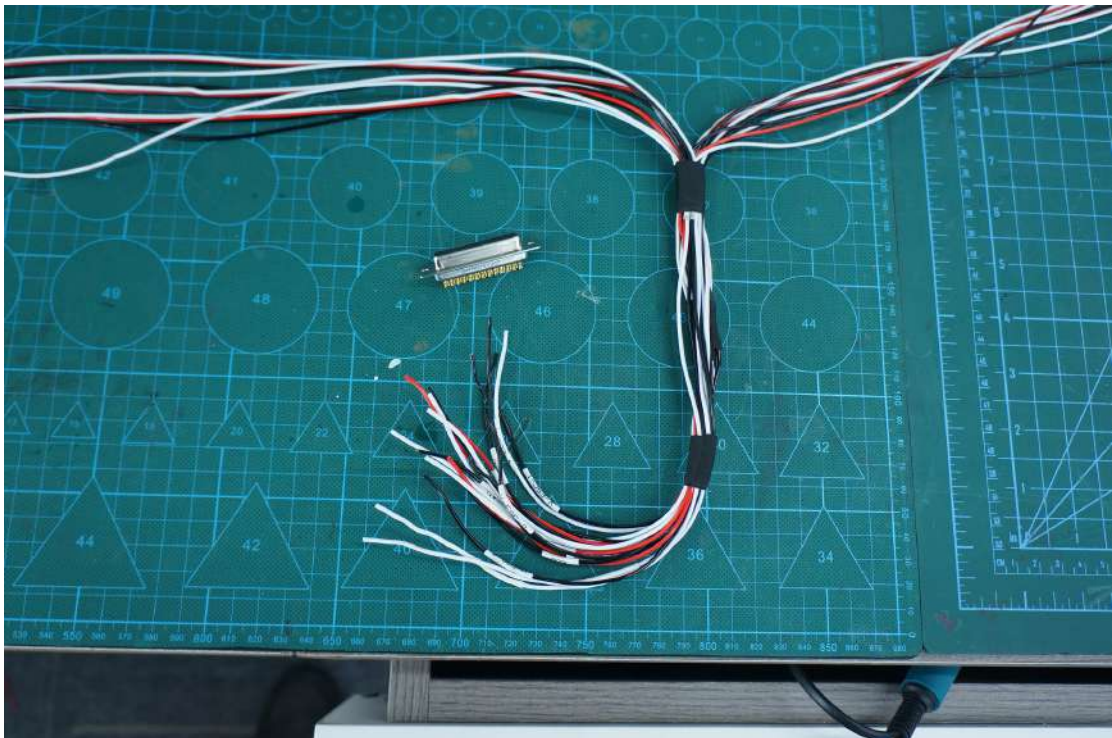


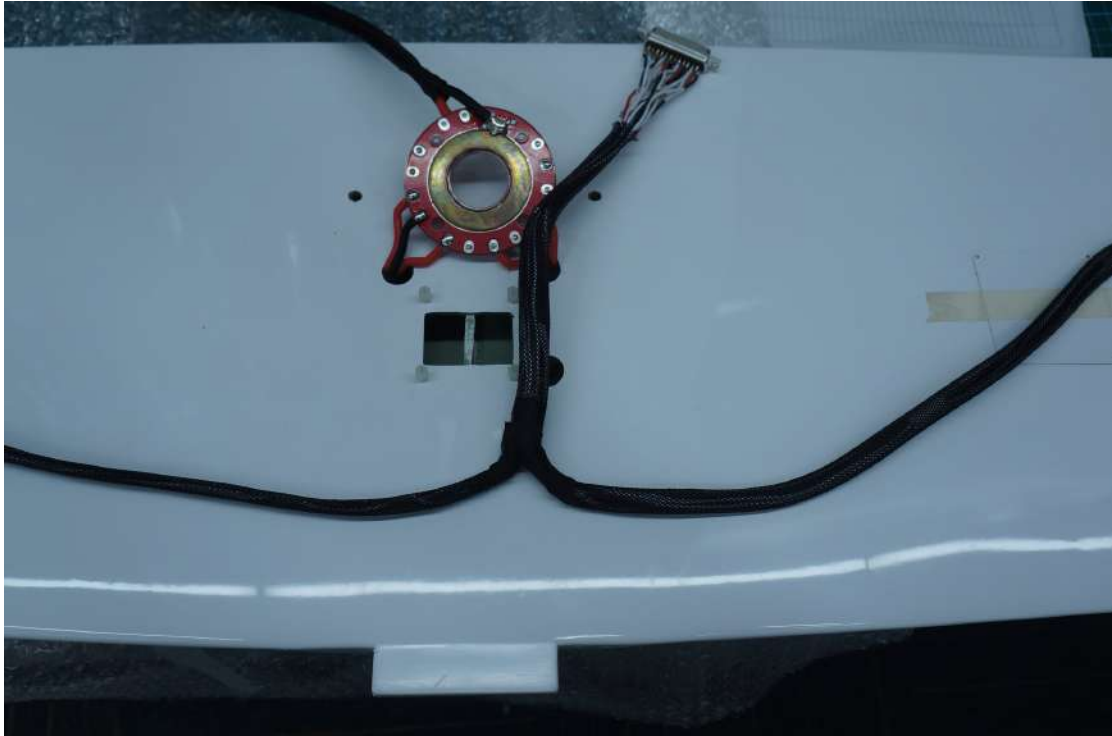


6. Center wing installation.

- A. Drilling is required, and please don't cause the damage to the bone of aircraft while drilling.
- B. Mark the functions of each wire before wiring to avoid the possible mistakes.
- C. Insert the wires into the aircraft before soldering.
- D. Install the sleeves before wiring.
- E. Make certain the positive and negative are correctly wired.







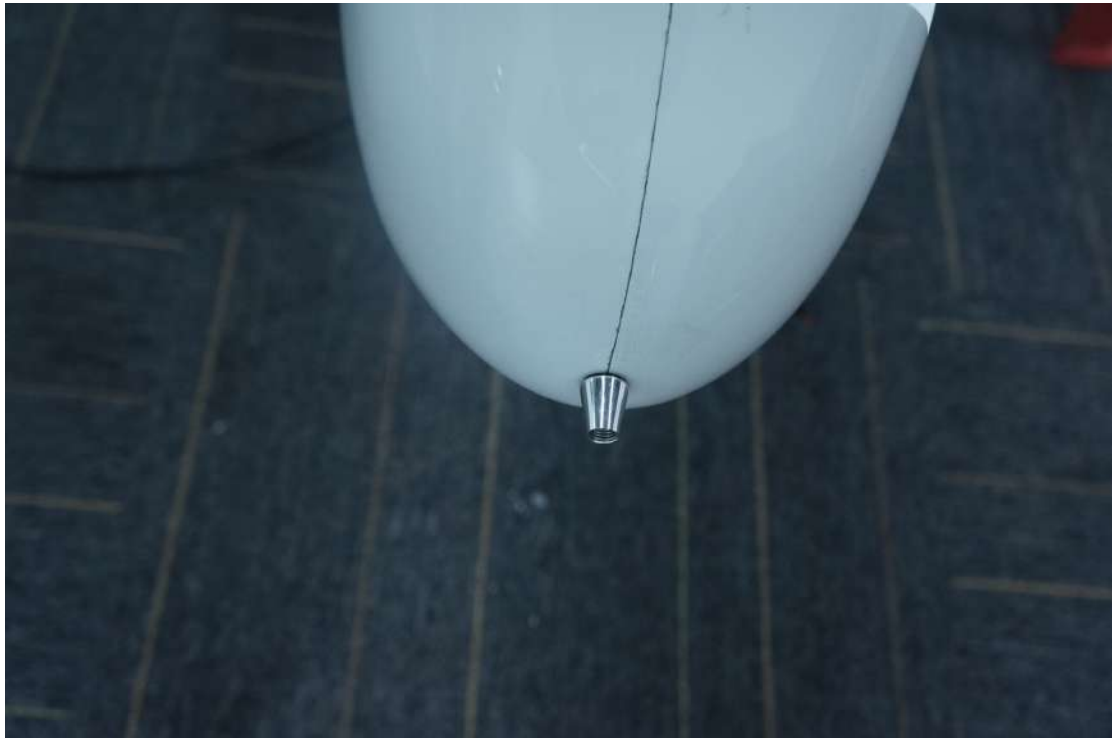


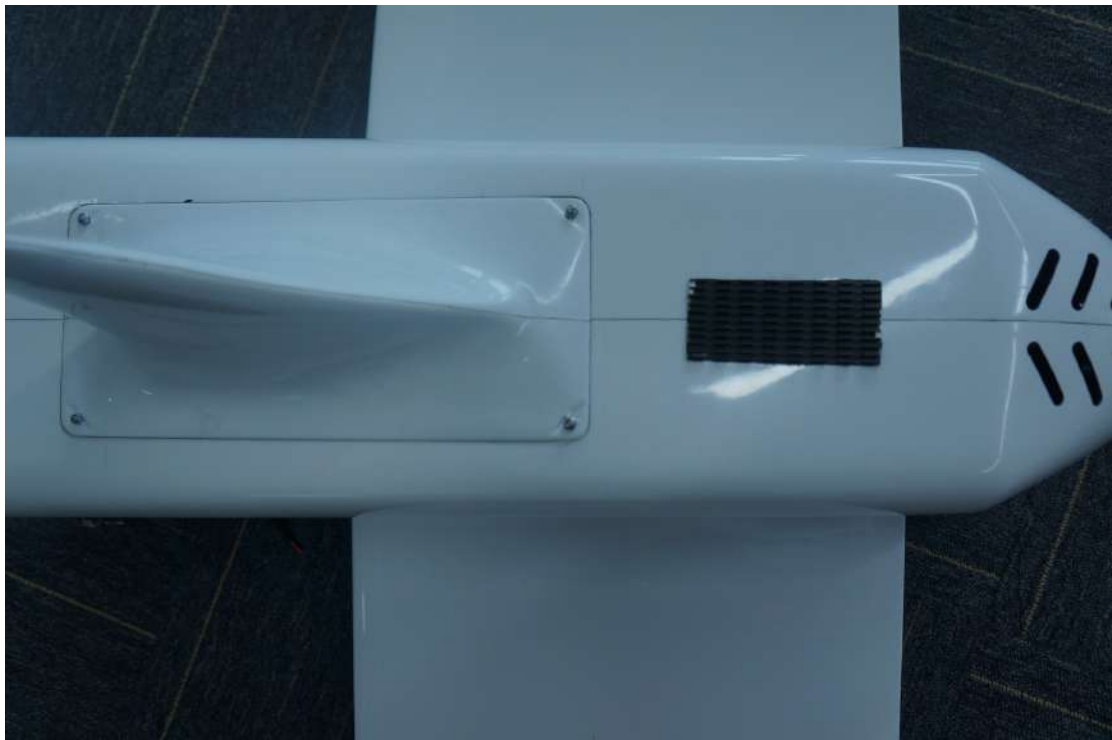
7. Fuselage installation.

- A. Drilling is required for installing motors and pitot tube.
- B. Make certain the drilling holes are in correct locations.
- C. Install the sleeves before wiring.
- D. Make certain the negative and positive are wired correctly.
- E. Make the functions of all wires to avoid possible mistake.
- F. Test before applying glue and sealing.











Now, the installation of power system has been completed. Please make certain all are correctly wired before powering on.

