

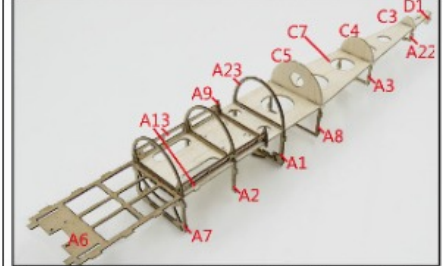
# ROYAL AIRCRAFT FACTORY S.E.5a FIGHTER

## BALSAWOOD MINI AIRPLANE INSTRUCTION MANUAL

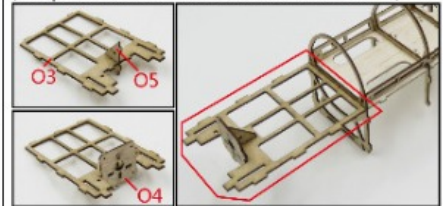


### Installation of Fuselage

1. Take out the A1, A2, A3, A6, A7, A8, A9, A13, A22, A23, C3, C4, C5, C7, D1 from the board, assemble the frame parts as below picture, use glue to stick the junction.



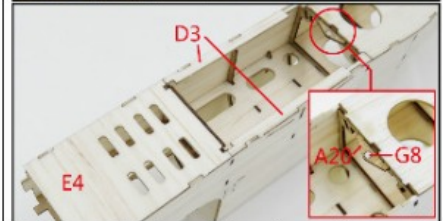
Note: This airplane has brush version and brushless version for your choice, above is the installation of brush version. Below is the installation way of brushless version. (Red parts are the difference of this two versions.)



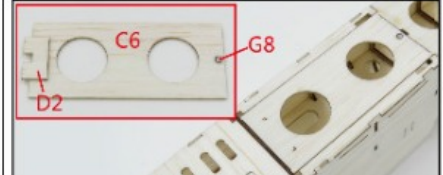
2. Take out E1 from the board, assemble the cover over the fuselage frame in pre-cut hole. (For the bend parts please paste it before moistening with the water.)



3. Take out C2, D3, E4 from the board, install the bottom cover over the fuselage frame, use glue to stick the junction, assemble A20 at the same time, put the magnet (G8) into the inside of preformed hole.



4. Take out C6, D2 from the board, assemble the cabin cover as below picture, and insert magnet (G8). Note: Here magnet is attractable with A20.

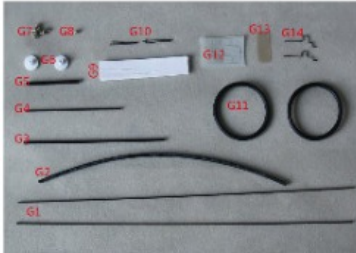
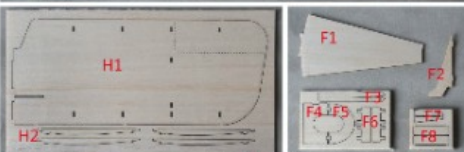
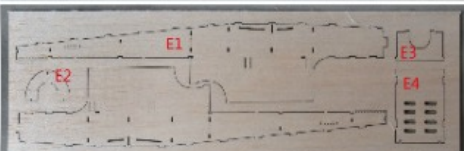
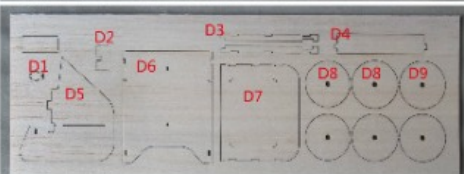
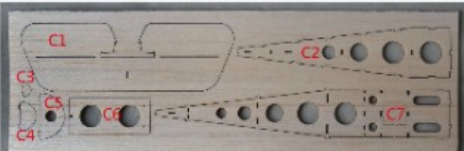
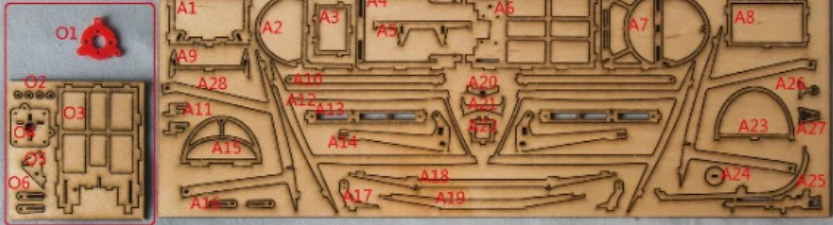


5. Stick tail cover F1 (Bend and stick before moistening with the water.)



### Balsawood Pieces and Accessories

#### Brushless Motor Parts



### Decal



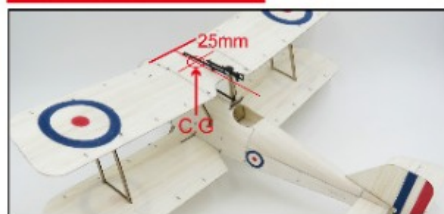
### Specification

Wingspan: 378mm  
 Length: 330mm  
 Flying Weight: ≈40g  
 Suggested Prop: 4530-5030  
**Brushed motor**  
 Suggested Motor: DEPS7 brushed motor  
 Suggested ESC/Servo/RX: DSMII 3in1 board  
 Suggested BATT: 1S 100-200mAh  
**Brushless motor**  
 Suggested Motor: 1104 KV3700  
 Suggested ESC: 1S 5A  
 Suggested Servo: 2g servo\*2  
 Suggested BATT: 1S 200-250mAh  
 Suggested Radio: 23CH

### Tools Needed



### The Position of CG



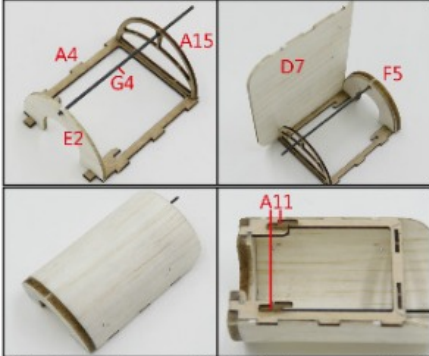
6. Stick tail parts F7, sand it to be integrated with fuselage after the glue dried.



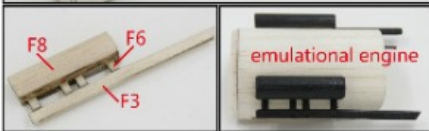
7. Take out E3, F4 from the board, assemble the nose.



8. Take out A4, A11, A15, D7, E2, F5 from the board. Assemble engine cover as below picture. (Bend and stick D7 before moistening with the water.)



9. Plug the engine cover into the fuselage, assemble the emulational parts, complete the installation of fuselage part.



### Installation of Wing

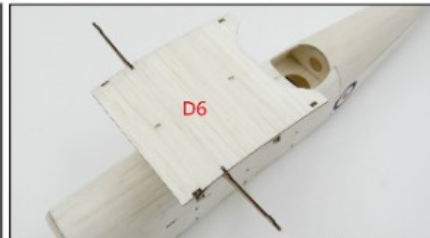
1. Take out B1, B2, H1, H2 from the board, assemble the wing as below picture.



2. Cut open the reserved groove at the side of the fuselage, install the wing bracket, and fix with screws.



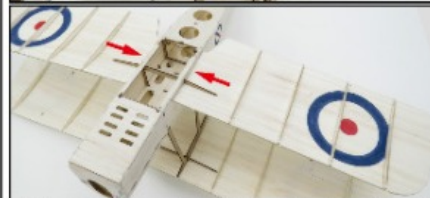
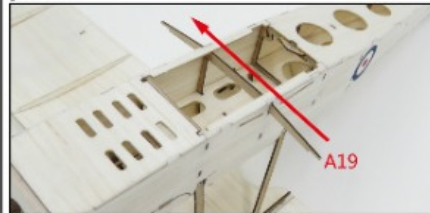
3. Take out A18 from the board, insert the bracket, and take out D6 to stick on the bracket.



4. Install top wing B1, use glue to stick the junction.



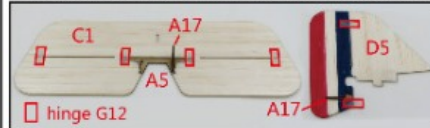
5. Take out A19 from the board, insert fuselage as below picture, then install under wing H1, use glue to stick the junction.



6. Take out A12 from the board, install the top wing and under wing as below pictures, use glue to stick the junction, and install emulational parts.



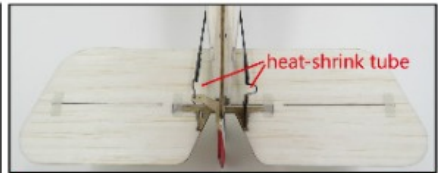
7. Take out A17, C1, D5, A5 from the board, stick A5 on the rudder, and stick hinge (G12) on the red frame parts.



8. Cut open the reserved groove in the aft fuselage, and install tail wing, use glue to stick the junction. Keep the tail wing vertical and horizontal when sticking.

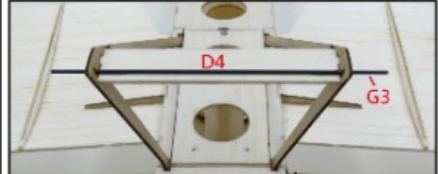
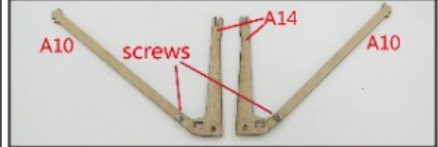


9. Cut open the reserved hole in the aft fuselage, insert servo connecting link (G1). G14 pass through the horn (A17), then connect G14 and servo horn connecting link, use heat-shrinkable tubing to seal them together.

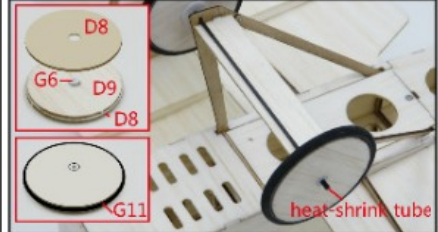


### Installation of Landing Gear and wheels

1. Take out A10, A14, D4, use screw to connect A10, A14 into landing gear, plug the landing gear into the bayonet of the cabin, glue together.

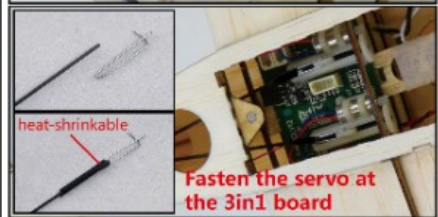


2. Take out D8, D9 from the board, stick hub as below picture, cover G11 at the hub.

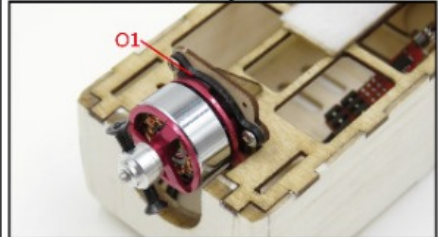


### Installation of Motor and Electronics

\*Brush version (With DSM 3 in 1 Board) Installation



\*Brushless version (With 2g servo) Installation



Cut open the reserved hole when install the servo.

