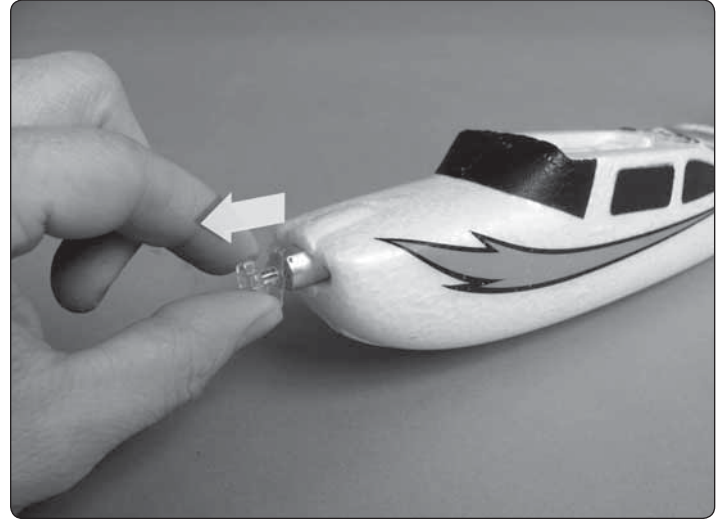
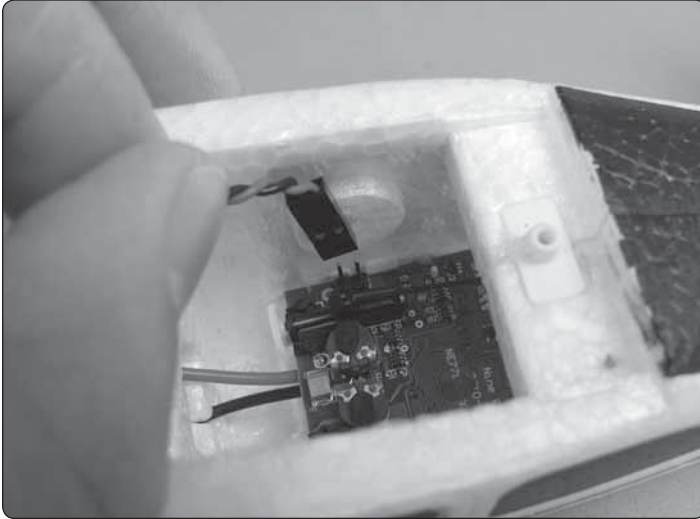




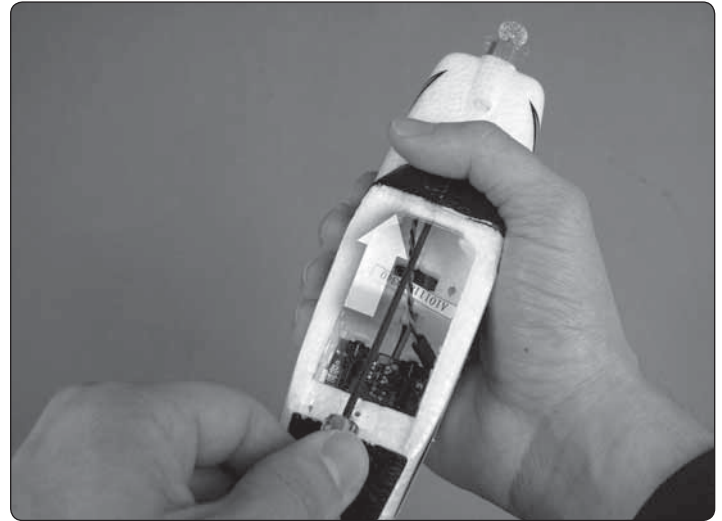
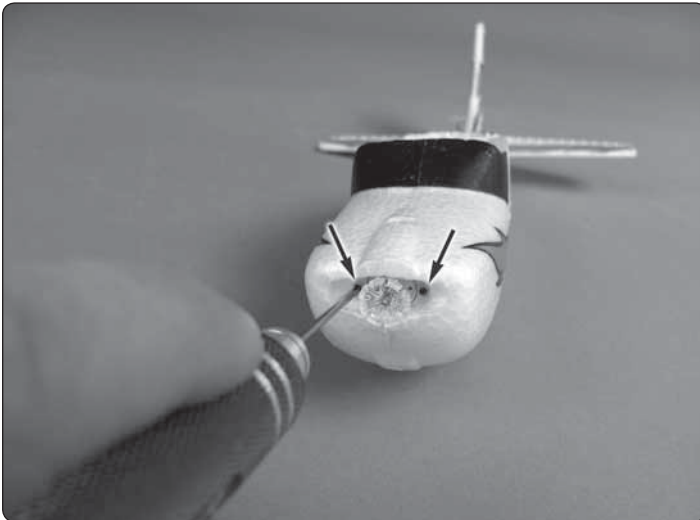
# Sky Ranger EP Technical Notice

## Remove and Replace the Motor

1. Remove the wing from the fuselage. Remove the propeller.

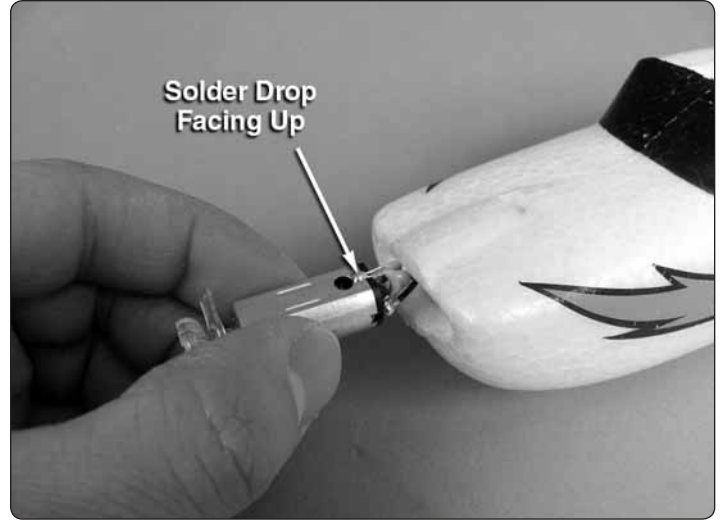
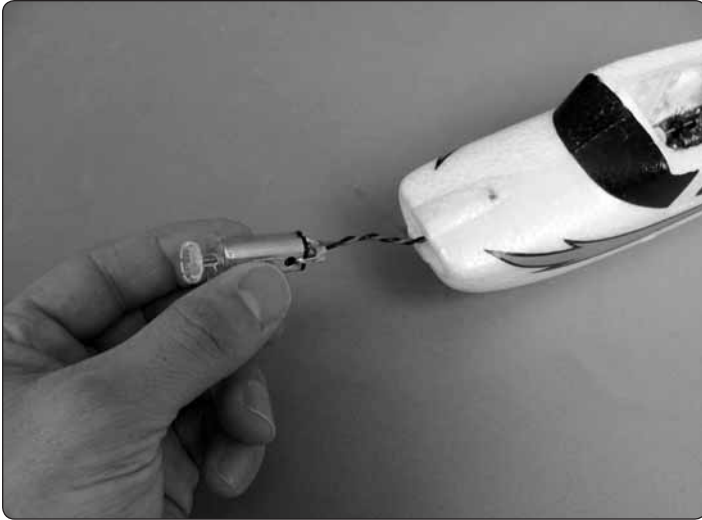


2. Disconnect the motor wires from the main circuit board. Make note of the connector's orientation when disconnecting it so you can connect the new motor in the same orientation.



3. Remove the two small Phillips screws from the front of the motor retaining plate. Take care not to lose these very small screws after they are removed.

4. Grasp the propeller base and pull the motor from the motor housing. The motor is a tight fit in the housing. If the motor does not come out easily, use a long, rigid tool to push the motor forward from the back. Look into the fuselage and place the end of your tool against the center of the back of the motor. Grasp the front of the fuselage firmly and push the motor forward and out of the motor housing.



5. Pull the motor and motor wires free from the fuselage.

6. With the motor now removed from the fuselage, look inside the motor housing and scrape off any residual glue that may interfere with the installation of the new motor. When installing the new motor, be sure that the drop of solder used to secure the two adjacent capacitors is facing UP in the motor housing.

7. Install the new motor into the housing, being sure it is fully seated. Align the transparent motor retaining plate over the screw holes in the housing and reinstall the two small phillips screws. Reconnect the motor leads to the main circuit board. Install the wing onto the fuselage and the propeller onto the propeller base. Test the operation of the motor using the transmitter. If the propeller rotates the wrong direction, you connected the motor leads to the main circuit board incorrectly.

