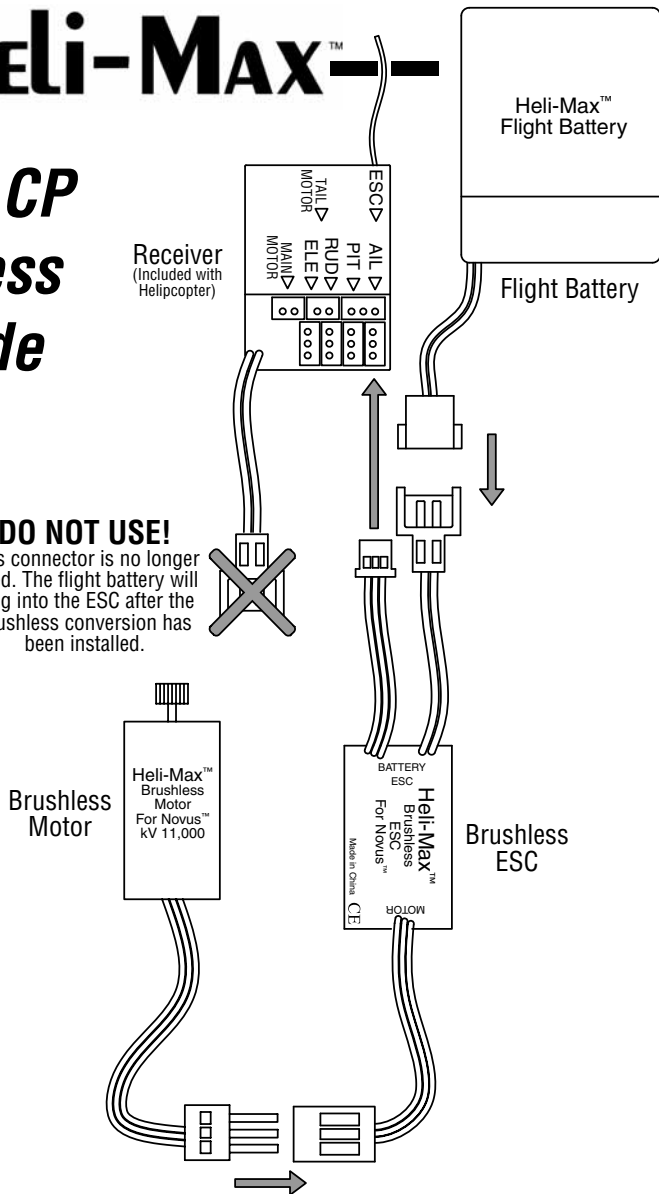


Heli-Max™

Novus™ CP Brushless Upgrade

DO NOT USE!
This connector is no longer
used. The flight battery will
plug into the ESC after the
brushless conversion has
been installed.



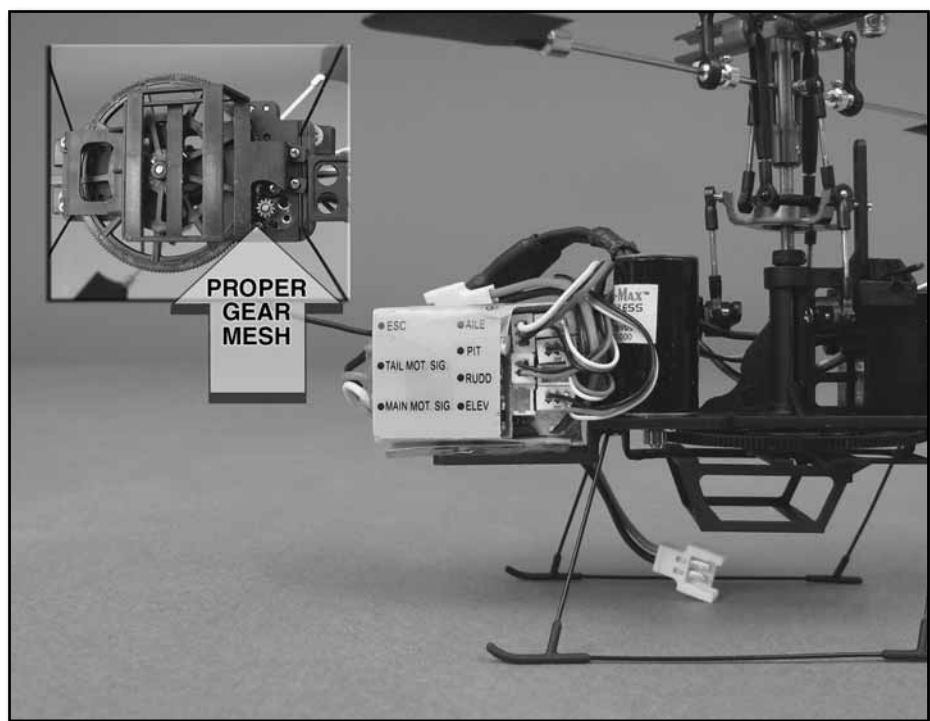
Contents

- (1) HMXM3005 Brushless ESC Novus FP/CP
- (1) HMXG8013 Brushless Motor Novus FP/CP

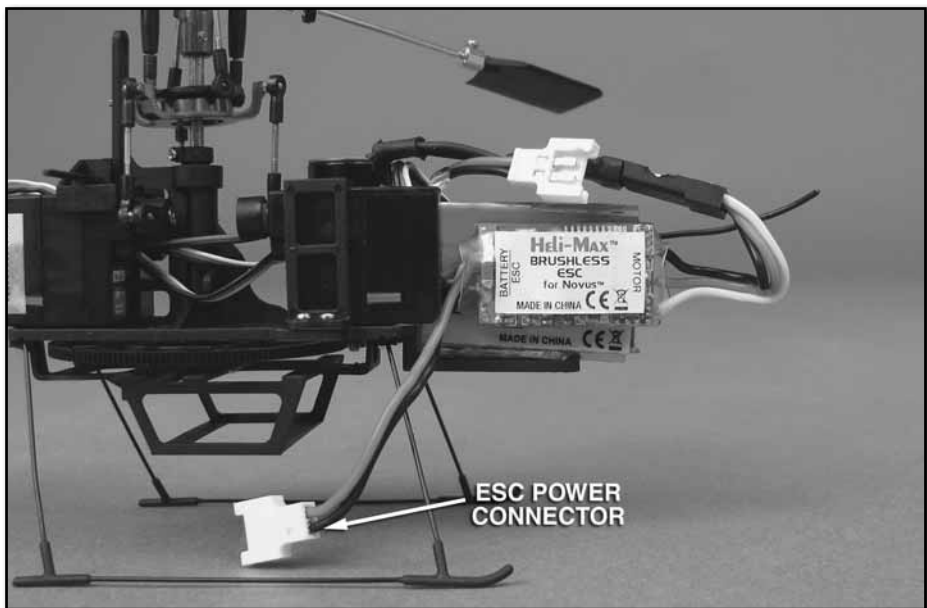
Tools Required (Not Included)

- (1) DTXR0180 DuraTrax® Ultimate Phillips Screwdriver 2.0mm

Thank you for purchasing the Novus Brushless Conversion. The brushless motor will provide greater power and longer flight times in comparison to the stock brushed motor.



❑ Disconnect the main drive motor from the E-Board and remove the motor from the helicopter. Install the brushless main drive motor with the wire harness facing forward as shown. Ensure that the gear mesh is set correctly. Once the gear mesh has been set correctly there should be a minimum amount of play between the gears. If you are not comfortable setting the gear mesh by “feel” then place a thin piece of notebook paper between the pinion and spur gear to set the mesh. Press the motor towards the main gear and tighten the motor mounting screws. Remove the paper and turn the gear to verify that it rotates freely. Repeat this process until you are satisfied with the gear mesh.



- ❑ Place a piece of double-sided tape on the back side of the ESC (Electronic Speed Control). Mount the ESC onto the E-Board as shown in the picture. Route the ESC lead to the E-Board and plug it into the port labeled ESC on the E-Board. It is best to route the wires as shown above and place the old E-Board power connector on top of the E-Board to avoid accidental use. Route the ESC power lead out the bottom of the helicopter as shown (the power connector on the E-Board is no longer used).

MOTOR DIRECTION CHECK

- ❑ Ensure that all of the wires are clear of rotating components and make sure that none of the wires can become entangled in the rotating components. Connect the flight battery to the ESC and turn the transmitter on with the throttle in the lowest position. Once the transmitter and receiver have been linked, place the helicopter on the ground at least 15ft away. Slowly add throttle and verify that the main rotor blades are rotating in the correct direction. If the main rotor blades are rotating backwards, then disconnect motor harness from the ESC and simply rotate the harness 180° and reconnect. This will reverse the rotation of the main drive motor.

- ❑ Place the canopy back onto the model and the brushless upgrade is now complete. No additional settings or changes are needed before flight. Enjoy flying your brushless Heli-Max™ Novus CP.

HAPPY FLYING!

