

Radio Components & Balancing

Gyro

Having completed all the assembly for the helicopter, all that remains is mounting the radio receiver, receiver battery and the gyro.

Mount the gyro on the radio tray, some rearrangement from the picture is required to mount everything. If using the PG2000 II, the gyro can be mounted between the collective & throttle servos and the right servo frame side. It is extremely important that the gyro is attached using only the supplied two sided tape onto a clean flat surface. Keep all wires and components away from the gyro housing. Do not use straps or elastics to secure the gyro.

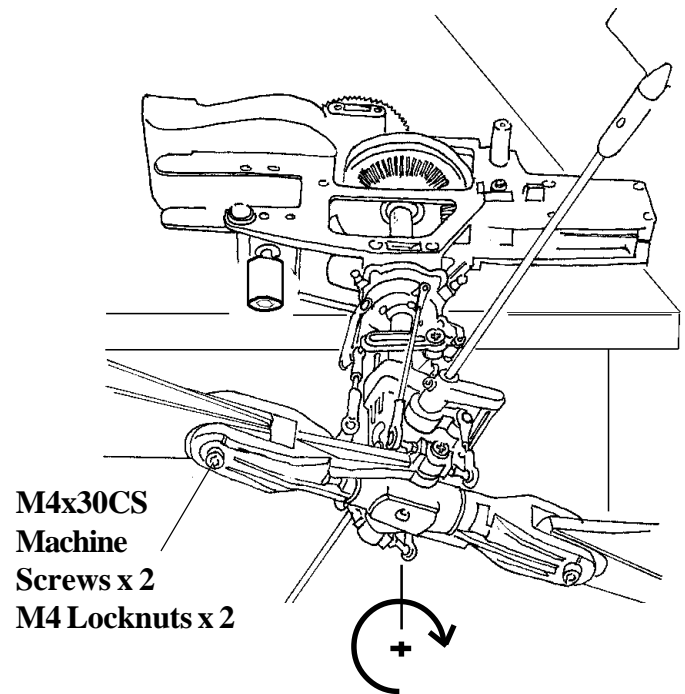
Install the gyro using double sided foam tape (supplied with gyro) put a full strip along the bottom of the gyro unit and press onto the surface. For a good bond make sure both surfaces are clean and dry.

Receiver, Battery Pack

Using the foam rubber, wrap the battery pack, receiver and gyro controller separately, allowing wires to be collected and tied together. Using two elastics looped through the front of the top servo tray, secure the components to the two hooks on the lower servo tray. ** The actual arranged components will be different than the picture illustrates.

Balancing the Rotor Head

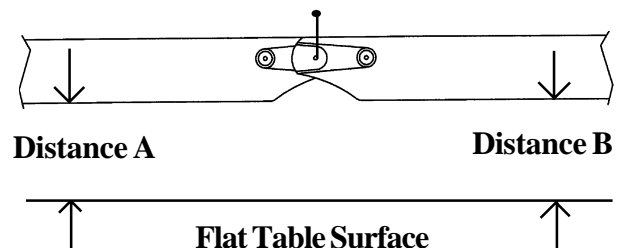
Balance is the most important part in maintaining a safe and reliable helicopter. First check the blades for balance, this can be done on a balancer but can be done directly on the helicopter by tipping the helicopter on its side at the edge of a table and attaching the blades. Temporarily remove the bolt to secure the autorotation bearing so the head spins free (remember to replace this bolt!!). If one blade stops at the same spot add some tape to the lighter blade to balance the rotorhead. The same procedure can be used to balance the flybar without the main blades attached.



When attaching the main blades, the direction of rotation is clockwise, when looking on top of the helicopter.

Balancing the Rotor Blades

Bolt the blades together and support by the ends of the bolt off a flat surface. If one blade tips to one side add small pieces of tracking tape until both blades hang an equal distance from the table (Distance A = B). Attach the Main Blades to the helicopter using two 4x30mm Socket Head Cap Screws and M4 Locknuts.



Optional Equipment
PG2000 II Piezo Gyro
#CN2018 or Heading Lock
piezo gyro #CN2238