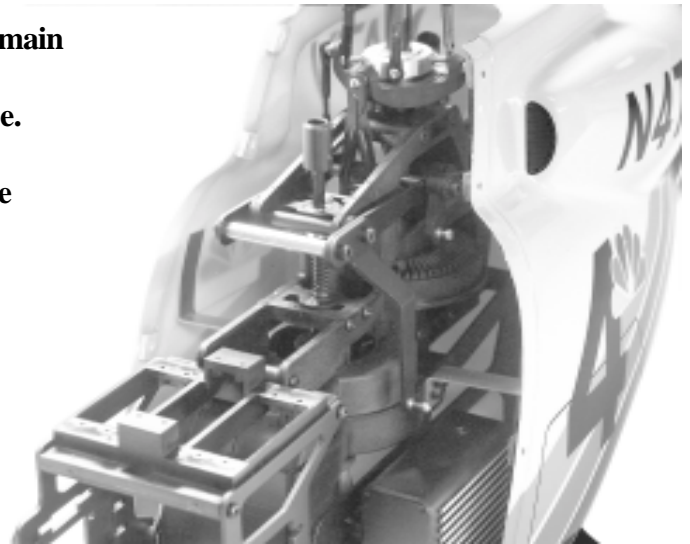


STEP 9 Attach the Main Rotor Head

Now the rotor head assembly must be re-attached, insert the main shaft through the top bearing, the mast stopper and insert the M3x16 Socket Cap screw below the main gear at a 45° angle. Once through the auto-hub use a 2.5hex key to turn the bolt while holding the M3 Locknut with pliers from the other side at 45° degree angle. Access to the set screws in the mast stopper is possible through the elevator lever assembly (disconnect the lever to do this) but remember to pull up on the main shaft first, tighten one set screw then remove the second to apply threadlock. Finally, remove the first, apply threadlock and tighten in place. If using the slipper unit, access is possible between the starter shaft and the side frames from the front.



STEP 10 Front Nose

The front nose is attached with four M3x8 Phillips Self Tapping screws from each side. Bonded to the inside are small 3/8" plywood squares that hold the screws in place. Take the time now to mount the gyro, receiver and battery pack (wrapped in foam) inside the front nose if it wasn't already done for test flying. The location for the gyro is on the battery tray beside the collective and throttle servos. Having completed the mechanics, lift the helicopter by the flybar held perpendicular to the length of the helicopter and continue to move the battery pack forward until balance is achieved. It may be necessary to construct an anchor, like a few simple metal hooks bonded to the inside of the nose to hold rubber bands securing the battery pack. If more weight is necessary, adding weight is acceptable but be cautious to the amount, if lead is being used, bond it as far forward as possible. See Step 14.



Kit Version

Mark the four screw locations on the each side of the front nose with a pencil. Using tape, attach the front to the rear body and slowly drill each of the eight holes using a 3/32" [2.5mm] drill bit. Remove the front nose and roughen one side of the eight plywood blocks and the area around the inside hole on the rear body. Remember that the fiberglass parts are molded using Polyester resin and as a result, "Epoxy" type of glue will not bond to the fiberglass. Any time two components are bonded to the fiberglass, slow to medium speed CA (cyanoacrylate) adhesive is necessary. Using slow-CA bond each plywood block in place, clamp until dry. Redrill each hole in the rear body through the plywood blocks and using one M3x8 Phillips Self Tapping screw, insert and form the threads. After the fuselage is painted the front nose can be attached, remember to paint the screws to match the color scheme.