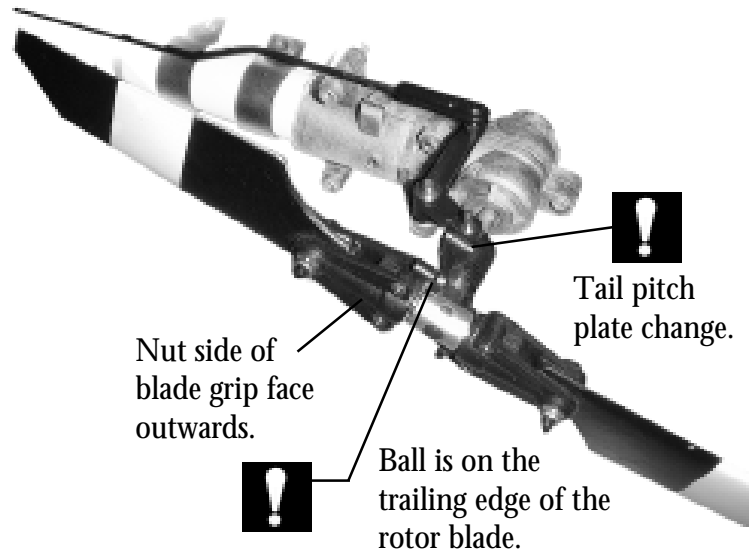


Step 14

The tail boom, tail pushrod guides and tail boom supports should be painted at this time before assembly. Remember that the pushrod guides may need to have the inside holes sanded slightly larger to fit the painted tail boom.

At Step 28, dis-assemble the tail pitch plate assembly by removing the lock ring carefully and reverse the pitch plate (part between the ball bearing and the tail pitch ball links). Reassemble the parts and epoxy or JB Weld the lock ring in place.

At Step 32, mount the bellcrank with the pitch plate assembly engaged. While assembling the tail rotor grips, examine the individual grips, one half has the recess molded for the 2mm nuts. This half of the grip has to be facing away from the gearbox when complete. Wait until the next step to attach the tail rotor blades.



At Step 35, the tail pushrod guides have to be installed on the tail boom in the correct order with the strut and fin mounts. Starting from the tail gearbox, two fin mounts, one pushrod guide, two more fin mounts, one pushrod guide, one strut mount, one pushrod guide, and lastly one strut mount. Position the gearbox halves over the tail boom so the tail rotor assembly is on the left side of the helicopter (this is opposite to the Hawk instruction manual). In this position the tail pitch bellcrank will be on the top along with the pin from the pitch plate, tighten the gear box bolts and remove the original vertical and horizontal fin. Now while turning the main gear clockwise (the direction of rotation), attach the tail rotor blades with the leading edge on the same side of the ball on the tail blade grip as shown in the photo.

Step 15

Drill two 1/8" holes through each fin at the locations marked in the recesses. Using two 3x10mm Socket Cap Screws and 3mm locknuts attach the rear straight fin closest to the tail gearbox at a 45 degree angle. **Do not** overtighten these screws as you will damage the tail fins. Slide a tail pushrod guide in-between and mount the vertical tapered fin straight down at 2" in front of the first fin. Bend the 9" tail wire in a large radius as shown, remove the locknut on the lower mount (previously for the vertical fin) and attach one 3mm hex nut using threadlock, next thread the machined standoff on the bolt until the bolt is just visible through the vertical hole, slide the tail wire in place and secure using one 3x4mm set screw using threadlock. Position the wire to run vertically down while the curving backwards.

