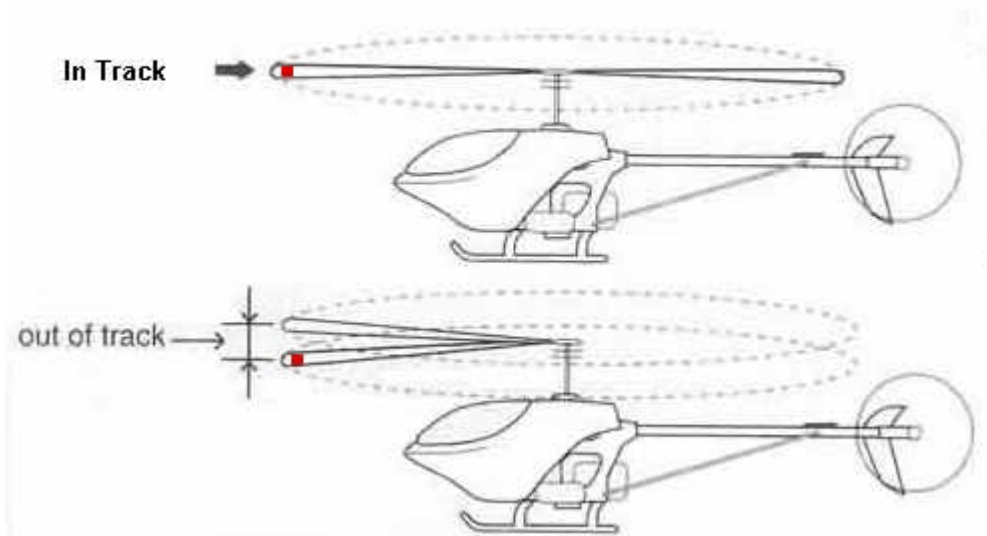


How do I adjust the tracking of the main rotor blades?

When the two main rotor blades are "In Track", it means the blade tips should follow the same path as they rotate. If blades are not tracking properly (one blade having more pitch than the other) this will cause vibrations in the helicopter. Tracking method is the same for all helis. (1) slowly rev the motor up until the helicopter gets light on the skids. Kneel down on the ground about 15 feet away from the heli, and look EYE LEVEL at the blades. (2) Viewing the "in track" diagram below, you will see if the blades are in track, the tips will be lined up together and following the same path. (3) Viewing the "out of track" diagram below, you will see, if blades are out of track you will see BOTH blades instead of one thin line looking like one blade. Now all you need to do is adjust one of the two blades to get "in track".



Blade Adjustments

1. Adjustments to the blade pitch is made by adjusting the length of one of the pushrods that connects to the main rotor blade pitch arm.
2. In the "out of track" diagram you will see the red taped blade is low, or the non taped is high. Before you make adjustments just yet there are a few things to consider. If while checking your tracking (with heli reved up) the headspeed seemed very high, then you would want to ADD pitch to the taped blade in the diagram. Adjusting the link by 1-2 turns at time. If the headspeed seemed a bit low, you would DECREASE the pitch to the NON taped blade.
3. Now, rev heli back up and re check the tracking.
4. If isnt tracking properly, then add a few more turns to the link you were adjusting, if the taped and non taped blades have swapped positions then you have went to far in the direction you were moving the link. Repeat step (1).
5. NOW. If blades ARE tracking properly and headspeed is too low or too high: There are several ways to correct this. The easiest of which is to use the hover and throttle knobs of the radio for MID STICK... but they can only adjust so far.. Adjust both blades in EQUAL turns of the links to add or decrease pitch to the blades. The hovering point should be at mid stick for beginners. If the heli isnt hovering at mid stick then you need to EITHER: ADD PITCH if hovering above half stick REMOVE PITCH if hovering below half stick And adjust your throttle settings accordingly.

These tips are brought to you by Dave Townsend - Hobbytown USA heli dept.

