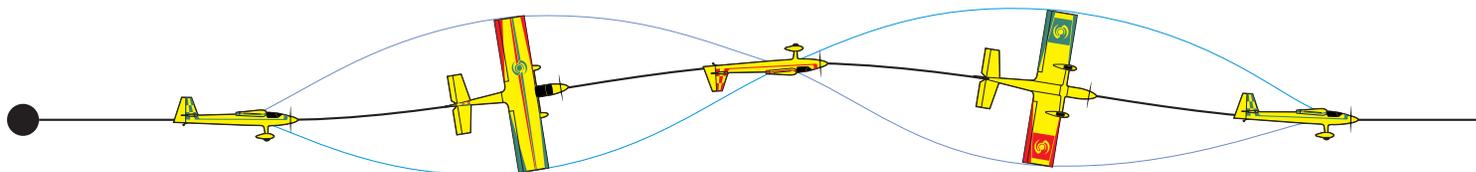


# Aileron Roll



**The Process of Reflection**  
(Gaining the most from your practice)



## Aileron Roll

In this section: E-32 illustrates a basic *aileron roll* sequence. Like the loop, at this stage the roll sequence will stress the fundamentals in the interest of quickly achieving routine roll success and moving on to other things. Since the obvious first priority is to become comfortable doing rolls, the basic roll will utilize a small bump up at the start to allow you to concentrate all your attention on performing a reliable roll without altitude or the ground becoming a distraction.

E-33 reinforces the sustained level flight requirement leading up to performing a routine roll.

E-34 illustrates the practice of *sequencing* the roll's steps, stressing the importance of returning to neutral between the steps to ensure that only the aileron is applied in the roll, and thus keeping it an *axial* roll (as compared to a more clumsy *barrel roll*).

E-35 illustrates the influence a higher throttle and airspeed have on helping to maintain the same direction of flight throughout the roll.

E-36 & 37 describe the *reflection* process used by those who learn and progress most quickly from one attempt to the next.

Throughout each flight the airplane will show you what is needed to improve your maneuvers. Considering the speed at which things happen in aerobatics, it is the time after a maneuver that is best served to *reflect* on what can be learned from the first effort to improve it next time (as opposed to those who can't define what adjustment(s) they need to make amidst their continuous attempts to react to the maneuver while it is being performed).

E-40 summarizes the loop and roll to this point, stressing the importance of practicing them until comfortable, as they will be the *tools* we'll build the rest of this program with.

KPTR: By first accomplishing the roll in its basic form, that which is needed to improve and go beyond becomes more obvious.