



Classic Aerobatics

Novice Schedule Descriptors

Take Off	U	Not Scored
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Two Consecutive Inside Loops	U	K3
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From upright, pull 2 consecutive inside loops to exit upright. Both loops shall be round and superimposed.

Downgrades:

- Loops not round.
- Loops not superimposed.
- Wings not level during loops.
- Changes in track during loops.
- Exit not at same altitude and track as entry.

Straight Inverted	D	K2
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Just before centre, the model performs a half roll to inverted and maintains inverted horizontal flight for between 3 and 5 seconds. The model then performs a further half roll back to upright. The manoeuvre is positioned equally either side of centre.

Downgrades:

- Manoeuvre not equal either side of centre
- Roll rates not equal
- Rolls not 180 degrees
- Manoeuvre less than 3 seconds or more than 5 seconds

Square Loop	U	K2
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The model starts from straight and level flight and pulls through an $\frac{1}{4}$ of a loop, continuing on an upward track.. After establishing a straight line for a short distance, the model pulls through a further $\frac{1}{4}$ loop on a further horizontal straight line equal in length to the vertical line. The model then pulls through a further $\frac{1}{4}$ loop into a vertical downward path for a distance equal to the other straight portions of the manoeuvre. The model pulls through a final $\frac{1}{4}$ loop back onto the original base line height. The manoeuvre is positioned equally either side of centre.

Downgrades:

- All radii equal.
- Straight line paths not at 45 degrees to horizontal.
- Entry and exit not on same altitude

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2 Consecutive Rolls	D	K3
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From upright, roll at a uniform rate through 2 complete revolutions in either direction to exit upright. Center is that point when the airplane is upright between the rolls.

Downgrades:

- Changes in track during rolls.
- Changes in altitude during rolls.
- Roll rate not constant.
- Model does not do exactly two (2) rolls. Apply “One Point per 15 Degree Rule”
- Wings not level at beginning or end of roll sequence. Apply “One Point per 15 Degree Rule”

Double Immelman with half rolls	U	K2
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From upright, pull through a 1/2 inside loop, then immediately perform a half roll to level inverted flight, hesitate, then push into a 1/2 outside loop to return to the entry altitude, immediately perform a half roll to exit upright. The horizontal legs must be equal to the diameter of the half loops, thus forming a square.

Downgrades:

- Half loops not round with constant and equal radius.
- Half loops not completed exactly above or below point of commencement of half loops.
- Horizontal legs not equal to diameter of half loops.
- Rolls not executed immediately after completion of half loops.
- Roll rates not constant and equal.
- Changes in track during half loop, rolls
- Entry and exit not at same altitude or not level.
- Under or over rotation of prescribed roll elements. Apply “One Point per 15 Degree Rule”

Cuban 8 with 1/2 Rolls	D	K4
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From upright on the baseline fly past centre and pull through 5/8 of an inside loop into a 45° down line. Perform a half roll in the centre of the 45° down line. Pull through 3/4 of an inside loop into a 45° down line. Perform a half roll in the centre of the 45° down line. Pull through a 1/8 loop to exit inverted on the baseline.

Downgrades:

- Half rolls performed on centre line of box, and in middle of 45° lines.
- All radii equal.

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Two Outside Loops	D	K3
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Model enters from a high position and pushes up to execute an outside loop, performs 1 further outside loop on the same track as the first, then continuing in level flight at same height as entry

Downgrades:

- Loops not round
- Changes in heading during loops and rolls
- Wings not level during loops
- Model does not enter and exit maneuver at same height
- Pauses of level flight not equal
- Exit not same altitude and heading as entry

Slow Roll	D	K3
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From upright, perform a full roll of at least 3 seconds, exit upright.
Center is middle of inverted flight.

Downgrades:

- Changes in track
- Changes in altitude.
- Roll rate not constant.
- Model does not roll exactly 360 degrees. Apply “One Point per 15 Degree Rule”
- Duration of roll less than 3 seconds.

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Two Turn Spin	U	K3
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From upright on the top line, on the centre line of the box perform two consecutive spins followed by a vertical down line. At the bottom of the vertical down line, pull through a ¼ loop followed by a well-defined, straight line to exit upright on the baseline.

Downgrades:

- Climbing on entry into spin, downgrade 1 point per 15 degrees.
- Yawing before entry into spin, downgrade 1 point per 15 degrees.
- Snap-roll entry, zero points.
- Forced entry, severe downgrade.
- Spin under or over rotation, downgrade 1 point per 15 degrees.

Landing	U	Not Scored
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