

Cessna 172 Maneuvers Guide

Commercial Single-Engine, and CFI Single-Engine



GROUND USE ONLY - Commercial / CFI Single-Engine

Chandelles

- 1. Perform two 90° clearing turns
- 2. 100 KIAS (*2200 RPM) maintain altitude
- 3. Clean configuration flow
- 4. Choose a reference point off wing
- 5. Establish / maintain 30° bank
- 6. Full Throttle Increase pitch to attain approx. 10-12° pitch up at 90° point 1st 90° of turn, Bank = constant 30°, Pitch = increasing to 10-12° pitch up
- 7. 90° point maintain pitch reduce bank angle to attain level flight at 180° point 2nd 90° of turn, Pitch = constant 10-12° pitch up,

 Bank = decreasing to level flight
- 8. 180° point wings level minimum controllable airspeed
- 9. Accelerate while maintaining level flight
- 10. Cruise checklist



AIRSPEED

Clean Configuration Flow

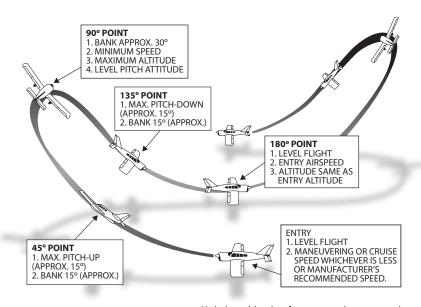
Fuel Selector - Both Mixture - Enrichen Flaps O°

Landing Configuration Flow

Fuel Selector - Both Mixture - Enrichen Carb Heat - On (Carbureted Models) Flaps - Full

Lazy Eights

- 1. Perform two 90° clearing turns
- 2. 100 KIAS (*2200 RPM) maintain altitude
- 3. Clean configuration flow
- 4. Choose a reference point off of the wing
- 5. Simultaneously increase pitch and bank (SLOWLY)
- 6. 45° point 15° pitch up and 15° bank
- 7. Reduce pitch / increase bank
- 8. 90° point –level pitch 30° bank
- 9. Continue reducing pitch and reduce bank
- 10. 135° point 15° pitch down 15° bank
- 11. 180° point level flight entry airspeed and altitude
- 12. Repeat in opposite direction
- 13. Cruise checklist



**pitch and bank reference numbers approximate

*Configuration and throttle settings based on 160 HP R-Model 172. May vary based on specific airplane and prevailing conditions. Do not use procedures listed above without referencing the full procedures described in the approved Operators Manual or POH/AFM specific to the airplane you are flying. This guide is to be used as a reference only. ATP assumes no responsibility or liability for any errors or inaccuracies that may appear on this guide and it is not intended to replace the approved POH/AFM or FAA approved publications and procedures.



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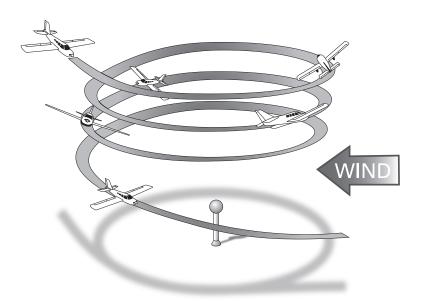


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Steep Spirals

- 1. Altitude at least 3000' AGL
- 2. Perform two 90° clearing turns
- 3. 80 KIAS (*1700 RPM) maintain altitude
- 4. Clean configuration flow
- 5. Choose visual reference point
- 6. Reduce throttle to idle
- 7. Track at least three constant radius circles around reference point
- 8. Airspeed constant
- 9. Bank angle adjust for winds not to exceed 60°
- 10. Clear engine once every 360° turn
- 11. Recover roll out on specified heading (visual reference)
- 12. Adjust DG/HSI to compass
- 13. Cruise checklist

Note: The DG/HSI will precess during this maneuver. Rely on visual references.



Eights On Pylons

- 1. Enter pivotal altitude (Approx 900' AGL at 100 KIAS *2200 RPM)
- 2. Perform two 90° clearing turns
- 3. Clean configuration flow
- 4. Select two pylons to allow for minimal time spent wings level between the two
- 5. Enter maneuver on a 45° midpoint downwind
- 6. Apply appropriate pitch corrections to compensate for changes in groundspeed and;
- 7. To maintain line of sight reference with the pylon (pitch forward if point moves toward nose and pitch back if point moves toward tail).
- 8. Begin rollout to allow the airplane to proceed diagonally between the pylons at a 45° angle.
- 9. Begin second turn in the opposite direction of the first

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