

1 Cessna Skyhawk 172N N44CU

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Before Starting

1. **Pre-flight inspection** complete
2. **Hobbs and/or Tach** time, record in Aircraft Logbook
3. **Flight Circle**, Dispatch
4. **Seats** in desired position and locked, seat belts fastened
5. **Pilot's seat safety latch**, engaged
6. **Doors**, closed and latched
7. **Fuel Selector**, both
8. **Rudder and Elevator Trim**, set for take-off
9. **Controls** free, full and correct
10. **Switches off**, except for Tail Beacon

Starting

1. **Brakes**, hold
2. **Mixture**, rich
3. **Carb Heat**, off
4. **Throttle**, cracked open
5. **Master** on
6. **Fuel Quantity**, set promptly
7. **Prime** as needed and lock
8. **Clear** area
9. **Engage starter**, idle @ 1000 rpm
10. **Oil pressure and engine gauges**, check in green
11. **Mixture**, lean as required
12. **Lights**, Nav, Strobes, Recognition on
13. **Avionics masters and PFD, A/P, Trim**, on
14. **Radios, Intercom & GPS**, set **STE 122.7/119.275**
15. **Wind or ATIS/ASOS/AWOS**, check
16. **Altimeters (3)**, set
17. **Electric trim & Autopilot**, check
18. **Flight Controls**, for wind conditions
19. **Brakes**, check during taxi

Run-up

1. **Brakes**, set
2. **Mixture**, rich
3. **Throttle**, to 1700 rpm
4. **Mags**, max drop 125 rpm, max diff. 50 rpm
5. **Engine Instruments**, in the green
6. **Carb Heat**, check
7. **Throttle**, idle
8. **Primer**, locked
9. **Passenger Briefing**, reviewed

Pre-takeoff

1. **Controls** free, full and correct
2. **Rudder and Elevator Trim**, set for takeoff
3. **Flaps**, as desired for takeoff, (10° for soft field)
4. **Transponder**, Alt, 1200 or assigned
5. **Flight Instruments**, Bug
6. **Autopilot and AHRs caution light**, off
7. **Fuel selector**, on both,
8. **Doors and Windows** latched
9. **Seats** locked and **belts**, secure
10. **Takeoff and abort rules**, review
11. **Time** note, **Timer** started
12. **Final approach**, clear
13. **Radio call**, announcement

Takeoff

1. **Heading indicator**, confirm
2. **Engine** sound and at least 2280 rpm, check
3. **Airspeed**, alive
4. **Engine Instruments**, in the green
5. **Rotate at 55 knots**
6. **Best rate 70 knots, Best angle 60 knots**
7. Soft field 55 knots with 10° flaps
8. **Flaps**, retract after obstacle clearance

Cruise

1. **Pitch**, level
2. **Power**, 2200 to 2700
3. **Trim**, set
4. **Mixture**, lean as required
5. **Engine Instruments**, in the green
6. **Lights**, set as desired

Descent

1. **Pitch**, descent
2. **Carb Heat**, as needed
3. **Power**, as desired
4. **Trim**, set
5. **Mixture**, adjust for smooth operation, full rich for idle
6. **ATIS/ASOS/AWOS** check
7. **Radio**, position report

Approach and landing

1. **Autopilot**, off
2. **Seat** locked and **belts**, secure
3. **Fuel Selector** on both
4. **Carb Heat**, as needed
5. **Downwind**, abeam numbers, **1600 rpm**, 1st notch of flaps
6. **Base**, 2nd notch of flaps, **75 knots**
7. **Final**, 3rd notch if needed, rpm as needed, **65 knots**
8. **Round out**, idle

Touch and Go

1. **Flaps**, set
2. **Trim**, set
3. **Carb heat**, off
4. **Mixture**, rich
5. **Radio**, announce
6. **Engine** sound and at least **2280 rpm**, check
7. **Engine instruments**, in the green
8. **Rotate** at **55 knots**
9. **Best rate 70 knots**, **Best angle 60 knots**

After Landing

1. **Hold short line**, clear
2. **Flaps**, retracted
3. **Carb heat**, off

Shutdown

1. **Brakes**, secure
2. **PFD, A/P, Trim switches, and Avionics masters** off
3. **Lights off**, except for Tail Beacon
4. **Throttle** to idle
5. **Mixture** Idle cut-off
6. **Magnetos** switch off and keys out
7. **Master**, off
8. **Hobbs** and **Tach time**, record
9. **Flight Plan**, close
10. **Flight Circle**, check in

After Flight

1. **Fuel airplane**, selector to left or right tank, fill to full
2. **Hangar and chock**, confirm
3. **Pitot cover and cowl plugs**, installed
4. **Windshield and leading edges**, cleaned
5. **Below 50 degrees**
Switched On power, connected to engine heater
Cowling blanket, on
6. **Hangar**, secure

V-Speeds

V _R - 55 knots	V _Y - 70 knots
V _X - 60 knots	V _{BG} - 65 knots
V _{CC} - 70 - 85 knots	V _{SO} - 41 knots
V _{S1} - 47 knots	V _{FE} - 85 knots
V _{NO} - 128 knots	V _{NE} - 160 knots
V _A - 97 knots at 2300 lbs	
V _A - 89 knots at 1950 lbs	
V _A - 80 knots at 1600 lbs	

Max Crosswind Component 15 knots

Set fuel selector to either left or right while refueling.

Updated November 13, 2024

Checklist 44CU v6