

CESSNA 172 PRE-FLIGHT CHECKLIST

INSIDE COCKPIT:

1. Check for required documents: AROW
 - Airworthiness Certificate, Registration, Operating Handbook, Weight and Balance
2. Remove the control lock.
3. Master switch ON.
4. Check fuel gauges.
5. Extend flaps.
6. Master switch and Ignition switch OFF.

LEFT FUSELAGE

1. Moving toward the tail, inspect for skin wrinkles, dents and loose rivets.
2. Check the underside of the fuselage for evidence of oil leakage and general condition.

EMPENNAGE

1. Inspect the leading edge of tail for dents.
2. Check for counterweights in left and right side of elevator.
3. Inspect elevator bolts.
4. Untie tail tie-down rope.
5. Check full freedom of movement on the elevator and rudder and inspect control cables.

RIGHT FUSELAGE

1. Inspect for skin wrinkles, dents and loose rivets.
2. Inspect emergency locator transmitter (ELT) antenna.

RIGHT WING

1. Inspect flap. Check for slight play in flap and in push-pull rod. Check bolts.
2. Inspect aileron. Check freedom of movement, yoke position, counterweights, hinges, rods
3. Examine leading edge for dents or other damage
4. Untie wing tie-down rope.
5. Inspect right main landing gear - tire condition, brake pad thickness, hydraulic leaks.
6. Drain the right fuel sump. Check for light blue color, gasoline smell, no water or dirt.
7. Visually inspect the fuel level (20 gallons usable when full). Replace fuel cap.

NOSE

1. Open the access door to check oil level. Should be between 6 and 8 quarts.
2. Drain the fuel strainer to eliminate any water or contaminants.
3. Check the engine cowl for security.
4. Inspect the propeller and spinner. Check blade for nicks and cracks.
5. Check tightness of alternator belt.
6. Check air filter.
7. Inspect nose gear. Check tire inflation/condition, 2-finger width strut showing.

LEFT WING

1. Drain the left fuel sump. Check for light blue color, gasoline smell, no water or dirt.
2. Visually inspect the fuel level (20 gallons usable when full). Replace fuel cap.
3. Inspect pitot tube. Check that both ram hole and drain hole are clear.
4. Check that fuel expansion vent tube is clear.
5. Check that stall warning vane is clear.
6. Untie left wing tie-down rope.
7. Examine leading edge for dents or other damage.
8. Inspect aileron. Check freedom of movement, yoke position, counterweights, hinges, rods
9. Inspect flap. Check for slight play in flap and in push-pull rod. Check bolts.
10. Inspect left main landing gear – tire condition, brake pad thickness, hydraulic leaks.

MEMORY ITEMS

V Speeds

V _x	62 kts
V _y	73 kts
V _{so}	45 kts
V _s	50 kts
V _{fe}	110 kts (10 degrees), 85 kts (20-30 degrees)
V _a	105 kts
V _{no}	127 kts
V _{ne}	158 kts
Best Glide Speed	65 kts

Empty Weight	1556 lbs
Gross Weight	2550 lbs
Useful Load	994 lbs

Total Usable Fuel 40 gallons
Average Fuel Consumption 8 gallons per hour

Local Airport Information for Gadsden (KGAD)

Elevation 569 ft.
Common Traffic Advisory Frequency (CTAF) 122.8
AWOS Frequency 127.825
Gadsden VOR Frequency 112.3
Emergency Frequency 121.5
Birmingham Approach 120.05
Traffic Pattern Altitude 1,600 ft.

Important Transponder Squawk Codes

1200 VFR
7500 Hijacked
7600 Radio Failure
7700 General Emergency