

C172P CHECKLIST

INTERIOR

1. **Hobbs Time** **Note**
2. Documents On Board
3. Control Lock Remove
4. Ignition Switch Off
5. Radios & Electrical Off
6. Master Switch On
7. Fuel Gages Check
8. Flaps Down
9. Circuit Breakers In
10. Master Switch Off
11. Fuel Shutoff Valve Both
12. Alternate Static Source Off
13. Baggage Door Closed

EXTERIOR

1. Left Fuel Sump Drain
2. Left Fuselage Check
3. Empennage Check
4. Tail Tie Down Remove
5. Right Fuselage Check
6. Right Aileron and Flap Check
7. Right Wing Check
8. Right Tie Down Remove
9. Right Main Gear Check
10. Right Fuel Sump Drain
11. Right Fuel Tank Quantity Check
12. Oil Level Check
13. Fuel Strainer Drain
14. Belly Sump Drain
15. Cowling/Prop Check
16. Nose Wheel Assembly Check
17. Static Port Check
18. Left Fuel Tank Quantity Check
19. Left Tie Down Remove
20. Pitot Tube/Fuel Vent/
Stall Slot Clear
21. Left Wing Check
22. Left Flap and Aileron Check
23. Left Main Gear Check
24. General Walk Around Complete
24. Windscreen Clean

STARTING ENGINE

1. Seats/Belts/Harnesses Secured
2. Brakes Test/Set
3. Mixture Rich
4. Carb Heat Cold
5. Throttle Idle to 1/4 inch
6. Prop Area Clear
7. Beacon On
8. **Landing Light** **OFF**
9. Master Switch On
10. Prime As Required
11. Ignition Switch Start
12. Throttle 1000 RPM
13. Oil Pressure Check
14. Flaps Up
15. Avionics Power Switch On
16. Nav. Lights (Night) On
17. **Transponder [Set ADIZ Code]** **ALT**

BEFORE TAKEOFF

- *1. Throttle 1000 RPM
2. Nose Wheel Straight
3. Flight Controls Free & Correct
4. Parking Brake Set
- *5. Flight Instruments Set
- *6. Fuel Shutoff Valve On Both
- *7. Mixture Rich
- *8. Trim Set
9. Throttle 1700 RPM
10. Mags Check
Max Drop 125 RPM
Max Differential 50 RPM
- *11. Carb Heat Check
- *12. Engine Instruments Check
13. Ammeter Check
14. Suction Check
15. Throttle 1000 RPM
16. Avionics Set
- *17. Flaps 0 or 10 Degrees
- *18. Doors/Windows Closed/Locked
- *19. Strobes On
- *20. **Transponder[ADIZ Code]** **ALT**
21. Friction Lock Adjust
- *22. Brakes Release

* Abbreviated Checklist

NORMAL TAKEOFF

1. Rotate 50-55 Kts
2. Climb Vx 60/Vy 76 Kts
3. 1000 ft. AGL [Cruise climb] 85-90 Kts

CRUISE CHECKLIST

1. Landing Light OFF
2. Mixture Lean As Required
3. D.G. Set to Mag Compass

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DECENT & BEFORE LANDING

1. Seats/Belts/Harnesses Secured
2. Mixture Rich
3. Carb Heat On
4. Power Decrease

NORMAL LANDING

1. Airspeed 65-75 KIAS (Flaps Up)
2. Flaps Below 85 KIAS
3. Airspeed 60-70 KIAS(Flaps Down)
4. Touchdown Main Wheels First
5. Lower Nose Wheel Gently
6. Braking Minimum Required

SHORT FIELD LANDING

1. Airspeed 60-70 KIAS (Flaps Up)
2. Flaps 30 Degrees (Below 85 KIAS)
3. Airspeed Maintain 56 KIAS
4. Power Reduce to Idle
. as Obstacle is Cleared
5. Touchdown Main Wheels First
6. Flaps Retract
7. Brakes Apply Heavily

AFTER LANDING

1. Flaps Up
2. Carb Heat Off
3. **Strobe & Landing Light** **OFF**
4. Trim Set for Takeoff

SECURING AIRPLANE

1. Throttle 1000 RPM
2. Avionics Power Switch Off
3. **Transponder** **OFF**
4. Electrical Equipment(Except Beacon) Off
5. Mixture Idle Cut-Off
6. Ignition Switch Off
7. **Master Switch** **Off**
8. Control Lock Install
9. **Hobbs Time** **Note**
10. Aircraft Chock & Tie Down
- 11 Cowl Plugs Install
- 12 **Keys** **Return to Office**

EMERGENCY PROCEDURES

ENGINE FAILURE

DURING TAKEOFF RUN

1. Throttle Idle
2. Brakes Apply
3. Mixture Idle Cut-Off
4. Ignition Switch Off
5. Master Switch Off

IMMEDIATELY AFTER TAKEOFF

1. Airspeed 65 KIAS (Flaps Up)
2. Airspeed 60 KIAS (Flaps Down)
2. Mixture Idle Cut-off
3. Fuel Shutoff Valve Off
4. Ignition Switch Off
5. Flaps As Required
6. Master Switch Off

DURING FLIGHT

1. Airspeed 65 KIAS
2. Carb Heat On
3. Primer In and Locked
4. Fuel Shutoff Valve On
5. Mixture Rich
6. Ignition Switch Left/Right/Both
. (or Start if Prop Stopped)

FORCED LANDING

1. Airspeed Flaps Up - 65 KIAS
. Flaps Down - 60 KIAS
2. Mixture Idle Cut Off
3. Fuel Shutoff Valve Off
4. Ignition Switch Off
5. Flaps As Required(Full Recommended)
6. Master Switch Off
7. Door Before Touchdown Unlatch
8. Seatbelts & Harnesses Tight
9. Touchdown Tail Low
10. Brakes Apply Heavily

V-SPEEDS

- | | |
|--------------------------------------|----------|
| V _{so} | 33 KIAS |
| V _{sl} | 44 KIAS |
| V _x | 60 KIAS |
| V _y | 76 KIAS |
| V _a (2400 lbs.) | 99 KIAS |
| Best Glide | 65 KIAS |
| V _{no} | 127 KIAS |
| V _{ne} | 158 KIAS |
| V _{fe} | 85 KIAS |