

C172SP CHECKLIST

INTERIOR

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

EXTERIOR

1. Left Fuel Sumps 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 Sumps Drain
11. Right Fuel Tank Quantity Check
12. Oil Level Check
13. Fuel Strainer Drain
14. Belly Sumps Drain
15. Cowling/Prop Check
16. Nose Wheel Assembly Check
17. Static Port Check 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

STARTING ENGINE

1. Seats/Belts/Harnesses Secured
2. Brakes Test/Set
3. Circuit Breakers Check In
4. Avionics Power Switch Off
5. Fuel Shutoff Valve On
6. Throttle 1/4 inch
7. Mixture Idle Cut Off
8. Prop Area Clear
9. Beacon On
10. Master Switch On
11. Auxiliary Fuel Pump On
12. Mixture Advance to obtain 3 to 5 GPH fuel
flow, then return to IDLE CUT OFF position
13. Ignition Switch Start
14. Advance smoothly to RICH when engine starts
15. Oil Pressure Check
16. Throttle 1000 RPM
17. Aux Fuel Pump Off
18. Flaps Up
19. Avionics Power Switch On
20. Nav. Lights (Night) On
21. Transponder SBY

BEFORE TAKEOFF

- *1. Throttle 1000 RPM
2. Nose Wheel Straight
3. Parking Brake Set
4. Flight Controls Free & Correct
- *5. Flight Instruments Set
- *6. Fuel Selector Valve Both
- *7. Mixture Rich
- *8. Trim Set
9. Throttle 1800 RPM
10. Mags Check
Max Drop 150 RPM/Max Diff 50 RPM
- *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 ALT
21. Friction Lock Adjust
- *22. Brakes Release

* Abbreviated Checklist

Flooded Start- Mixture- Idle Cut-Off

Throttle- 1/2 to Full

When Engine Starts- Mixture- Rich

Throttle- 1/2 inch

NORMAL TAKEOFF

1. Flaps 0 or 10 Degrees
3. Throttle Full Power
4. Rotate 55 KIAS
5. Climb Vx-60/Vy-74 KIAS
6. Cruise Climb at 1,000ft 90 Kts

NORMAL LANDING

1. Airspeed 65 - 75 KIAS (Flaps Up)
2. Flaps Below 110 KIAS (0 - 10 Degrees)
3. 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 65 - 75 KIAS (Flaps Up)
2. Flaps 30 Degrees (Below 85 KIAS)
3. Airspeed Maintain 62 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. Transponder SBY
2. Flaps Up
3. Strobe & Landing Light Off
4. Trim Set for Takeoff

SECURING AIRPLANE

1. Throttle 1000 RPM
2. Avionics Power Switch Off
3. Electrical Equipment(Except Beacon) Off
4. Mixture Idle Cut-Off
5. Ignition Switch Off
6. Master Switch Off
7. Control Lock Install
8. Hobbs Time Note
9. Aircraft Chock & Tie Down
10. 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 70 KIAS (Flaps Up)
2. Airspeed 65 KIAS (Flaps Down)
3. Mixture Idle Cut-off
4. Fuel Shutoff Valve Off
5. Ignition Switch Off
6. Flaps As Required
7. Master Switch Off

DURING FLIGHT

1. Airspeed 70 KIAS
2. Carb Heat On
3. Fuel Shutoff Valve Both
4. Mixture Rich
5. Ignition Switch Left/Right/Both
..... (or Start if Prop Stopped)

FORCED LANDING

1. Airspeed Flaps Up - 70 KIAS
..... Flaps Down - 65 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} | 40 KIAS |
| V _{sl} | 48 KIAS |
| V _x | 60 KIAS |
| V _y | 74 KIAS |
| V _a (2550 lbs.) | 105 KIAS |
| Best Glide | 70 KIAS |
| V _{no} | 129 KIAS |
| V _{ne} | 163 KIAS |
| V _{fe} | 85 KIAS |