

# 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 Battery Side only ..... On
10. Prime ..... As Required
11. Ignition Switch ..... Start
12. Throttle ..... 1000 RPM
13. Oil Pressure ..... Check
14. **Master Switch** ..... **Alternator Side On**
15. Check Amp Meter ..... Charging
16. Flaps ..... Up
17. Avionics Power Switch ..... On
18. Nav. Lights (Night) ..... On
19. **Transponder [Set SFRA Code]** ..... **ALT**

## DURING TAXI

1. RPM ..... **800 RPM** or Less
2. **Minimum Braking!**
3. Aileron/Elevator Position for Wind Conditions

## BEFORE TAKEOFF

- \*1. Throttle ..... 1000 RPM
2. Nose Wheel ..... Straight
3. Flight Controls ..... Free & Correct
4. Parking Brake ..... Set
- \*5. **Altimeter/DG/AI** ..... **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[SFRA 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

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### CRUISE CHECKLIST

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

### 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 <sub>so</sub> .....            | 33 KIAS  |
| V <sub>sl</sub> .....            | 44 KIAS  |
| V <sub>x</sub> .....             | 60 KIAS  |
| V <sub>y</sub> .....             | 76 KIAS  |
| V <sub>a</sub> (2400 lbs.) ..... | 99 KIAS  |
| Best Glide .....                 | 65 KIAS  |
| V <sub>no</sub> .....            | 127 KIAS |
| V <sub>ne</sub> .....            | 158 KIAS |
| V <sub>fe</sub> .....            | 85 KIAS  |