

Cessna 172P Skyhawk (1981 model, detailed) documentation

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Contents

1 Preamble	1
2 Checklists	1
2.1 Before Starting Engine	1
2.2 Starting Engine	2
2.3 Before Takeoff	2
2.4 Normal Takeoff	2
2.5 Short Field Takeoff	3
2.6 Water Takeoff	3
2.7 After Takeoff	3
2.8 Enroute Climb	3
2.9 Cruise	4
2.10 Descent	4
2.11 Before Landing	4
2.12 Normal Landing	5
2.13 Short Field Landing	5
2.14 Water Landing	5
2.15 Aborted Landing	5
2.16 After Landing	6

2.17 Securing Airplane	6
2.18 EMERGENCY: Eng. Fail (Takeoff Roll)	6
2.19 EMERGENCY: Eng. Fail (Takeoff)	7
2.20 EMERGENCY: Eng. Fail (Flight)	7
2.21 EMERGENCY: Eng. Fail (Landing)	7
2.22 EMERGENCY: Ditching	7

1 Preamble

This procedure list should be considered incomplete and it is not intended for real world use. It is automatically generated documentation intended for FlightGear flight simulator.

2 Checklists

2.1 Before Starting Engine

Preflight Inspection	COMPLETE
Water rudders operation (float plane)	CHECK
Water rudders (float plane)	DOWN (on the water)
Passenger Briefing	COMPLETE
Seats, Seat Belts, Shoulder Harnesses	ADJUST and LOCK
Brakes	TEST and SET (shift-B)
Avionics Power Switch	OFF
Circuit Breakers	CHECK IN
Electrical Equipment, Autopilot	OFF
Battery Master Switch	ON
Fuel Quantity	CHECK
Fuel Selector Valve	BOTH

2.2 Starting Engine

Flashing Beacon	ON
Prime	As Required - 2-6 strokes
Carburetor Heat	COLD
Throttle	OPEN 1/8 INCH

Mixture RICH
Propellor Area CLEAR
Magnetos BOTH
Ignition Switch ON
Oil Pressure CHECK
Alternator Master Switch ON
Avionics Power Switch ON
Navigation Lights, Flashing Beacon ON as required
Radios ON

2.3 Before Takeoff

2.4 Normal Takeoff

Wing Flaps 0 - 10 degrees
Carburetor Heat COLD
Mixture RICH
Throttle FULL OPEN
Elevator Control LIFT NOSE WHEEL

2.5 Short Field Takeoff

Wing Flaps 10 degrees
Carburetor Heat COLD
Brakes APPLY
Throttle FULL OPEN
Mixture RICH
Brakes RELEASE
Elevator Control SLIGHTLY TAIL LOW
Climb Speed 56 KIAS

2.6 Water Takeoff

Water rudders UP
 Wing Flaps 20 degrees
 Carburetor Heat COLD
 Mixture RICH
 Elevator Control LIGHT BACK PRESSURE
 Throttle FULL OPEN (SLOWLY)

2.7 After Takeoff

Wheels (amphibious) UP
 Water rudders (float plane) UP

2.8 Enroute Climb

Airspeed 70-85 KIAS
 Throttle FULL OPEN
 Mixture RICH

2.9 Cruise

Altimeter SET STD/QNH
 Power 2100-2700 RPM
 Elevator Trim ADJUST
 Mixture LEAN
 Fuel Quantity CHECK
 Lights AS REQUIRED

2.10 Descent

ATIS NOTED
 Altimeter SET QNH
 Landing Light ON
 Fuel Quantity CHECK

Fuel Selector Valve BOTH
Power AS DESIRED
Mixture ADJUST for smooth operation
Carburetor Heat FULL HEAT AS REQUIRED

2.11 Before Landing

Seats, Seat Belt, Shoulder Harnesses SECURE
Wheels (amphibious, land) DOWN
Wheels (amphibious, water) UP
Water rudders (float plane) UP
Fuel Selector Valve BOTH
Mixture RICH
Carburetor Heat FULL HEAT
Autopilot OFF
Landing Light ON

2.12 Normal Landing

Airspeed 65-75 KIAS (flaps UP)
Wing Flaps AS DESIRED
Airspeed 60-70 KIAS (flaps DOWN)
Touchdown MAIN WHEELS FIRST
Landing Roll LOWER NOSE WHEEL GENTLY
Braking MINIMUM REQUIRED

2.13 Short Field Landing

Airspeed 65-75 KIAS (flaps UP)
Wing Flaps FULL DOWN (30 degrees)
Airspeed 61 KIAS (until flare)
Power REDUCE to idle after clearing obstacle
Touchdown MAIN WHEELS FIRST
Braking APPLY HEAVILY
Wing Flaps RETRACT

2.14 Water Landing

Airspeed 65-75 KIAS (flaps UP)
Wing Flaps AS DESIRED
Airspeed 60-70 KIAS (flaps DOWN)
Touchdown SLIGHTLY TAIL LOW
Landing Roll HOLD YOKE FULL AFT

2.15 Aborted Landing

Throttle FULL OPEN
Carburetor Heat COLD
Wing Flaps 20 degrees (immediately)
Climb Speed 55 KIAS
Wing Flaps 10 degrees (until obstacles are cleared)

2.16 After Landing

Water rudders (float plane) DOWN (on the water)
Carburetor Heat COLD
Wing Flaps UP
Transponder Mode SBY
Landing Light AS REQUIRED
Taxi Light ON

2.17 Securing Airplane

Parking Brake SET
Power SET 1000 RPM
Avionics, Power, Electrical, Autopilot ALL OFF
Avionics Power Switch OFF
Mixture PULLED FULL OUT
Magnetos OFF
Flashing Beacon OFF

Alternator Master Switch OFF
Battery Master Switch OFF
Parking Brake SET
Control Lock INSTALL

2.18 EMERGENCY: Eng. Fail (Takeoff Roll)

Throttle IDLE
Wheel brakes APPLY
Flaps RETRACT
Mixture CUT OFF
Magnetos/Ignition OFF
Battery Master Switch OFF

2.19 EMERGENCY: Eng. Fail (Takeoff)

Airspeed 60-65 KIAS
Mixture CUT OFF
Fuel Selector Valve OFF
Magnetos/Ignition OFF
Flaps FULL
Battery Master Switch OFF

2.20 EMERGENCY: Eng. Fail (Flight)

Airspeed 65 KIAS
Carburetor Heat ON
Fuel Selector Valve BOTH
Mixture RICH
Magnetos/Ignition BOTH (or START if prop is stopped)
Primer A few strokes, then

2.21 EMERGENCY: Eng. Fail (Landing)

- Airspeed 60-65 KIAS
- Mixture CUT OFF
- Fuel Selector Valve OFF
- Flaps FULL
- Battery Master Switch OFF
- Touchdown SLIGHTLY TAIL LOW
- Wheel brakes APPLY HEAVILY

2.22 EMERGENCY: Ditching

- Radio MAYDAY on 121.5 MHz
- Squak 7700
- Flaps FULL
- Airspeed 60-65 KIAS
- After touchdown LEAVE AIRPLANE IMMEDIATELY