

TECNAM P2010 Checklist



Preflight:

Cabin

1. "ARROW" Docs
2. Breakers..... All In
3. Safety Belts..... Secured to hard points
4. Master..... On
5. Lights..... On and Operational
6. Stall Horn..... Check Operation
7. Pitot Heat..... Check Operation
8. Flaps..... Cycle to LDG
9. Master..... Off
10. Baggage..... Secured

Nose

1. Leaks..... Verify None
2. Fuel Sump..... Verify Clean
3. Oil..... 4 – 7 Quarts
4. Prop & Spinner..... Check
5. Alternator Belt..... Verify Tension
6. Air Inlets..... Clear
7. Air Filter..... Clear
8. Oil Cooler..... Clear
9. Nose Gear..... Check
10. Chocks..... Removed

Wings

1. Air Inlets..... Clear
2. Pitot Tube..... Clear
3. Fuel Sump..... Verify Clean
4. Fuel Tank Vent..... Clear
5. Wingtip..... Check
6. Aileron..... Check
7. Flap..... Check
8. Main Gear & Brake.... Check
9. Tiedown/Chock..... Removed

Empennage

1. Baggage Door..... Locked
2. Stabilator..... Check
3. Trim Tab..... Check
4. Rudder..... Check
5. Antennas..... Check
6. Tiedown/Chock..... Check

Before Starting Engine:

1. Passenger Briefing..... Complete (S.A.F.E.T.Y)
2. Seats & Seatbelts..... Adjusted and Locked
3. Auto-Pilot Master..... On
4. Master..... On
5. Flight Controls..... Free & Correct
6. Throttle Friction..... Adjusted
7. Throttle..... Idle
8. Propeller Lever..... High RPM
9. Mixture..... Lean
10. Circuit Breakers..... All In
11. Warnings..... ALT FAIL
Low Fuel Press.
Low Oil Press.
12. Standby Instrument..... Operational &
100% Charge

Starting Engine:

1. Strobe..... On
2. Throttle..... ¼" Above Idle
3. Fuel Selector..... Tank with Least Fuel
4. Fuel Pump..... On

Hot Start:

Mixture – Lean

Cold Start:

Mixture – Full Rich 4-5 Seconds, Back to Lean

5. Area..... Clear
6. Starter..... Engage
7. Mixture..... Full Rich at Ignition
8. Oil Pressure..... Within Limits
9. Throttle..... 1,000 RPM
10. Avionics..... On
11. Engine Page..... Displayed
12. Generator..... On
13. Voltmeter..... Increases Within Limits
14. Fuel Quantity..... Verify, Matches Dipstick
15. Fuel Pump..... Off
16. Fuel Pressure..... Within Limits
17. Engine Instruments..... All Within Limits
18. Mixture..... Leaned for Taxi

Instrument Check:

1. ATIS..... Obtained
2. Barometer..... Set Primary and Standby
3. Airspeed..... Zero
4. Attitude..... Stable
5. Turn Coordinator..... Centered
6. Altimeter..... ±75' of Field Elevation
7. VSI..... Zero
8. HSI..... Accurate
9. Mag Compass..... Accurate
10. Clock..... Operational

Taxi Check:

1. Flaps..... Cycle to T/O
2. Lights..... As Required
3. Parking Brake..... Release (Full FWD)
4. Brakes..... Check Operation

First Turn

5. HSI..... Turns to Known Heading
6. Mag Compass..... Turns to Known Heading
7. Turn Coordinator..... Swings Opposite of Turn

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Engine Run-Up:

1. Brakes..... Held
2. Parking Brake..... Set (Full Aft)
3. Engine Instruments..... Within Limits
4. ALT FAIL Warning..... No Longer Indicating
5. Mixture..... Full Rich
6. Propeller Lever..... Full Forward
7. Fuel Pump..... On
8. Fuel Selector..... Fullest Tank
9. Fuel Pressure..... Within Limits
10. Throttle..... 1,500 RPM \pm 50
11. Alternate Static..... Verify Altitude Change
12. Alternate Air..... Verify RPM Drop
13. Mixture..... Reduce
 - a. Fuel Flow Decrease
 - b. EGT Rise
14. Mixture..... Full Rich
15. Throttle..... 2,100 RPM \pm 50
16. Propeller Lever..... Cycle 3 Times
 - a. Manifold Press. Increase
 - b. RPM Drop
 - c. Oil Pressure Decrease
 - d. Check Engine Cowling for Oil
17. Magneto Check
 - a. Left – Both – Right – Both
 - b. Max RPM Drop: 175 RPM
 - c. Max Difference: 50 RPM
18. Throttle..... Idle
19. Fuel Pump..... Off
20. Radios..... Set
21. Takeoff Briefing..... Complete
22. Parking Brake..... Released (Full FWD)
23. Mixture..... Leaned for Taxi
24. Taxi Instructions..... Obtain

Before Take Off:

1. Radios..... Set
2. Flaps..... T/O
3. Pitch/Rudder Trim..... Neutral
4. Flight Controls..... Free & Correct
5. Seatbelts..... Fastened
6. Doors..... Closed & Locked
7. Transponder..... As Required
8. Landing Light..... On
9. Taxi Light..... Off
10. Mixture..... Full Rich (as required)
11. Propeller Lever..... Full Forward
12. Fuel Pump..... On
13. Timer..... As Required

Climb:

1. 500ft AGL..... Flaps Up
2. 1000ft AGL..... Fuel Pump Off
3. Power..... 25" & 2,500 RPM

Cruise:

1. Throttle..... 22" – 24"
2. Propeller Lever..... 2,400 RPM
3. > 3,000 MSL
 - a. Mixture..... Hottest Cyl. To 1,400°

Before Landing:

1. Mixture..... Full Rich
2. Propeller Lever..... Full Forward
3. Fuel Pump..... On
4. Fuel Selector..... Fullest Tank
5. Landing Light..... On
6. Parking Brake..... Verify Forward
7. Flaps..... As Required
 - Normal..... T/O Position
 - Soft/Short Field..... LDG Position
8. Speed..... As Required
 - a. Downwind..... 90 KIAS
 - b. Base..... 80 KIAS
 - c. Final..... T/O Flaps 75 KIAS
LDG Flaps 65 KIAS

After Landing:

1. Radio..... Set
1. Flaps..... Up
2. Taxi Light..... On
3. Landing light..... Off
4. Fuel Pump..... Off

Engine Shutdown:

1. Brakes..... Held
2. Parking Brake..... Set (Full Aft)
3. Hobbs & Tach..... Record
4. Avionics..... Off
5. Lights..... Off
6. Mixture..... Cutoff
7. Key..... Off
8. Master & Generator..... Off
9. Fuel Selector..... Off (If Last Flight)

Aircraft Securing:

1. Key..... Off
2. Master & Generator..... Off
3. Seatbelts..... Secure
4. Pitot Tube Cover..... On
5. Doors..... Closed & Secured
6. Chocks..... Set
7. Tiedowns..... Tied

V Speeds:

V _R	60 KIAS	
V _X	75 KIAS	
V _Y	86 KIAS	
V _G	84 KIAS	
V _{SO}	50 KIAS	
V _{SI}	59 KIAS	
V _{FE}	91 KIAS	
V _{NO}	132 KIAS	
V _{NE}	169 KIAS	
V _A	120 KIAS	(2,557 lbs)
V _A	111 KIAS	(2,200 lbs)

Max Crosswind – 17 Knots
Basic Empty Weight – 1,730 lbs
Max Gross T/O Weight – 2,557 lbs