

**CESSNA 172 – N7496X CHECKLIST**

Verbally verify each item & completion of sections.

**PRE-FLIGHT INSPECTION**

PAVE / IMSAFE / W & B – COMPLETE

**Cabin / Electrical**

1. Documents – **A.R.R.O.W.**
2. Control Lock & Pitot Cover – **REMOVE**
3. Ignition Switch – **OFF**
4. Avionics Master – **OFF**
5. Battery (Red Master Knob) – **ON**
6. Flaps – **FULL DOWN**
7. Fuel Gauges / Electric Gyro – **CHECK**
8. Lights, Stall Warning & Pitot Heat – **CHECK**
9. Battery – **OFF**

**Empennage**

1. Empennage Surface – **CHECK**
2. Horizontal Stabilizer – **SECURE**
3. Elevator & Trim Tab – **FREE & SECURE**
4. Rudder – **FREE & SECURE**
5. Tail Tie-down – **DISCONNECT**
6. Antennas – **CHECK CONDITION**

**Right Wing**

1. Fuel Tank Sump – **SAMPLE & CHECK**
2. Tire – **CHECK TREAD & PRESSURE**
3. Brake – **CHECK FOR LEAKS**
4. Flap – **CHECK**
5. Aileron – **FREE & SECURE**
6. Wingtip / Leading Edge – **CHECK**
7. Wing Tie-Down – **DISCONNECT**
8. Fuel Quantity – **VERIFY / CAP SECURE**

**Nose**

1. Fuel Strainer – **SAMPLE & CHECK**
2. Propeller / Spinner – **CHECK**
3. Air Filter – **CHECK CLEAR**
4. Nose Strut – **CHECK**
5. Tire – **CHECK TREAD/PRESSURE**
6. Engine Oil – **CHECK LEVEL (6-8 quarts)**
7. Static Port – **CHECK CLEAR**
8. Windshield – **CLEAN**

**Left Wing**

1. Fuel Quantity – **VERIFY / CAP SECURE**
2. Pitot Tube – **CHECK CLEAR**
3. Fuel Tank Vent – **CHECK CLEAR**
4. Wing Tie-Down – **DISCONNECT**
5. Leading Edge / Wingtip – **CHECK**
6. Aileron – **FREE & SECURE**
7. Flap – **CHECK**
8. Tire – **CHECK TREAD & PRESSURE**
9. Brake – **CHECK FOR LEAKS**
10. Fuel Tank Sump – **SAMPLE & CHECK**
11. Ladder & Chocks – **REMOVE & STOW**

**BEFORE STARTING ENGINE**

1. Pre-flight – **COMPLETE**
2. Passenger Briefing – **S.A.F.E.T.Y.**
3. Seats & Seatbelts – **ADJUST & SECURE**
4. Fuel Selector – **BOTH**
5. Avionics Master – **OFF**
6. Electrical Equipment – **OFF**
7. All Circuit Breakers – **IN**

**STARTING ENGINE**

1. Brakes – **TEST & HOLD**
2. Mixture – **RICH**
3. Carb Heat – **OFF**
4. Throttle – **OPEN ¼ INCH**
5. Battery & Alternator Field Switches – **ON**
6. Strobe / Nav Lights – **ON / HALF OUT**
7. Prime – **AS REQUIRED (3 MAX)**
8. Propeller Area – **“CLEAR!”**
9. Ignition – **KEYS BOTH / PUSH TO START**
10. Throttle – **1000 RPM**
11. Oil Pressure – **CHECK IN GREEN**
12. Wing Flaps – **UP**
13. Mixture – **LEAN 1 INCH FOR TAXI**

**PRE-TAXI & TAXI**

1. Avionics Master – **ON**
2. Transponder – **STANDBY**
3. ATIS – **CHECK**
4. Clearance – **OBTAIN**
5. Transponder – **SET CODE & SET TO “ALT”**
6. Brakes – **CHECK (BOTH PILOT STATIONS)**
7. Instruments – **CHECK DURING TAXI (IFR)**

**BEFORE TAKEOFF (RUN-UP)**

1. **(C)**ontrols – **FREE & CORRECT**
2. **(I)**nstruments – **SET**
3. **(G)**as – Fuel Selector **BOTH**
4. **(A)**ttitude (Trim/Flaps) – **SET (10° Soft Field)**
5. **(R)**adios – **COM / NAV / TRANSPONDER**
6. **(S)**ecure – **DOORS / WINDOWS LATCHED**
7. Brakes – **HOLD**
8. Throttle – **1700 RPM**
  - Mixture – **LEAN 1 INCH**
  - Mags – **LEFT/RIGHT (100 MAX DROP)**
  - Alternator Warning Light – **CHECK**
  - Oil Pressure / Temp – **CHECK IN LIMITS**
  - Suction – **CHECK (4-6)**
  - Carb Heat – **ON, VERIFY RPM DROP**
  - Throttle – **IDLE CHECK**
  - Carb Heat – **OFF**
9. Throttle – **1000 RPM**
10. Throttle Friction Lock – **ADJUST**
11. Clearance – **REVIEW**
12. Takeoff Emergency Briefing – **COMPLETE**

V Speeds (MPH) Vr = 60 Vx = 60 Vy = 78  
Va = 115 Vg = 70 Vref = 65-75

**CESSNA 172 – N7496X CHECKLIST**

Verbally verify each item & completion of sections.

**PRE-FLIGHT INSPECTION**

PAVE / IMSAFE / W & B – COMPLETE

**Cabin / Electrical**

1. Documents – **A.R.R.O.W.**
2. Control Lock & Pitot Cover – **REMOVE**
3. Ignition Switch – **OFF**
4. Avionics Master – **OFF**
5. Battery (Red Master Knob) – **ON**
6. Flaps – **FULL DOWN**
7. Fuel Gauges / Electric Gyro – **CHECK**
8. Lights, Stall Warning & Pitot Heat – **CHECK**
9. Battery – **OFF**

**Empennage**

1. Empennage Surface – **CHECK**
2. Horizontal Stabilizer – **SECURE**
3. Elevator & Trim Tab – **FREE & SECURE**
4. Rudder – **FREE & SECURE**
5. Tail Tie-down – **DISCONNECT**
6. Antennas – **CHECK CONDITION**

**Right Wing**

1. Fuel Tank Sump – **SAMPLE & CHECK**
2. Tire – **CHECK TREAD & PRESSURE**
3. Brake – **CHECK FOR LEAKS**
4. Flap – **CHECK**
5. Aileron – **FREE & SECURE**
6. Wingtip / Leading Edge – **CHECK**
7. Wing Tie-Down – **DISCONNECT**
8. Fuel Quantity – **VERIFY / CAP SECURE**

**Nose**

1. Fuel Strainer – **SAMPLE & CHECK**
2. Propeller / Spinner – **CHECK**
3. Air Filter – **CHECK CLEAR**
4. Nose Strut – **CHECK**
5. Tire – **CHECK TREAD/PRESSURE**
6. Engine Oil – **CHECK LEVEL (6-8 quarts)**
7. Static Port – **CHECK CLEAR**
8. Windshield – **CLEAN**

**Left Wing**

1. Fuel Quantity – **VERIFY / CAP SECURE**
2. Pitot Tube – **CHECK CLEAR**
3. Fuel Tank Vent – **CHECK CLEAR**
4. Wing Tie-Down – **DISCONNECT**
5. Leading Edge / Wingtip – **CHECK**
6. Aileron – **FREE & SECURE**
7. Flap – **CHECK**
8. Tire – **CHECK TREAD & PRESSURE**
9. Brake – **CHECK FOR LEAKS**
10. Fuel Tank Sump – **SAMPLE & CHECK**
11. Ladder & Chocks – **REMOVE & STOW**

**BEFORE STARTING ENGINE**

1. Pre-flight – **COMPLETE**
2. Passenger Briefing – **S.A.F.E.T.Y.**
3. Seats & Seatbelts – **ADJUST & SECURE**
4. Fuel Selector – **BOTH**
5. Avionics Master – **OFF**
6. Electrical Equipment – **OFF**
7. All Circuit Breakers – **IN**

**STARTING ENGINE**

1. Brakes – **TEST & HOLD**
2. Mixture – **RICH**
3. Carb Heat – **OFF**
4. Throttle – **OPEN ¼ INCH**
5. Battery & Alternator Field Switches – **ON**
6. Strobe / Nav Lights – **ON / HALF OUT**
7. Prime – **AS REQUIRED (3 MAX)**
8. Propeller Area – **“CLEAR!”**
9. Ignition – **KEYS BOTH / PUSH TO START**
10. Throttle – **1000 RPM**
11. Oil Pressure – **CHECK IN GREEN**
12. Wing Flaps – **UP**
13. Mixture – **LEAN 1 INCH FOR TAXI**

**PRE-TAXI & TAXI**

1. Avionics Master – **ON**
2. Transponder – **STANDBY**
3. ATIS – **CHECK**
4. Clearance – **OBTAIN**
5. Transponder – **SET CODE & SET TO “ALT”**
6. Brakes – **CHECK (BOTH PILOT STATIONS)**
7. Instruments – **CHECK DURING TAXI (IFR)**

**BEFORE TAKEOFF (RUN-UP)**

1. **(C)**ontrols – **FREE & CORRECT**
2. **(I)**nstruments – **SET**
3. **(G)**as – Fuel Selector **BOTH**
4. **(A)**ttitude (Trim/Flaps) – **SET (10° Soft Field)**
5. **(R)**adios – **COM / NAV / TRANSPONDER**
6. **(S)**ecure – **DOORS / WINDOWS LATCHED**
7. Brakes – **HOLD**
8. Throttle – **1700 RPM**
  - Mixture – **LEAN 1 INCH**
  - Mags – **LEFT/RIGHT (100 MAX DROP)**
  - Alternator Warning Light – **CHECK**
  - Oil Pressure / Temp – **CHECK IN LIMITS**
  - Suction – **CHECK (4-6)**
  - Carb Heat – **ON, VERIFY RPM DROP**
  - Throttle – **IDLE CHECK**
  - Carb Heat – **OFF**
9. Throttle – **1000 RPM**
10. Throttle Friction Lock – **ADJUST**
11. Clearance – **REVIEW**
12. Takeoff Emergency Briefing – **COMPLETE**

V Speeds (MPH) Vr = 60 Vx = 60 Vy = 78  
Va = 115 Vg = 70 Vref = 65-75

**TAKEOFF**

1. All Lights – **ON**
2. Mixture – **RICH BELOW 3000 FEET**
3. Throttle – **FULL FORWARD**
4. Elevator – **RAISE NOSE Vr 60 MPH**
5. Pitch – **Vx 60 / Vy 78 MPH**

**ENROUTE CLIMB**

1. Flaps – **UP ABOVE 200 FEET**
2. Pitch – **85 MPH**

**CRUISE**

1. Power – **SET PER POH (MAX 75%)**
2. Elevator – **TRIM FOR LEVEL FLIGHT**
3. Mixture – **LEAN PER POH**
4. Gauges – **MONITOR**
5. Fuel Selector – **L/R AT/ABOVE 5000' D. ALT**

**BEFORE LANDING**

1. (A)ltimeter – **SET**
2. (L)ights – **ON**
3. (G)as – Fuel Selector **BOTH BELOW 5000' DA**
4. (U)ndercarriage – **CHECKED**
5. (M)ixture – **RICH BELOW 3000 FEET**
6. (P)ower – Carb Heat & Throttle **ADJUST**
7. (S)eatbelts – **ADJUST**

**LANDING**

1. Flaps – **SET BELOW 100 MPH**
2. Airspeed – **65 - 75 MPH (60 Short Field)**
3. Braking – **MINIMUM REQUIRED**

**AFTER LANDING**

1. Wing Flaps – **UP**
2. Mixture – **LEAN 1 INCH FOR TAXI**
3. Carb Heat – **OFF**
4. Lights (Except Strobe) – **OFF**
5. Trim – **RESET FOR TAKEOFF**

**SHUTDOWN**

1. Transponder – **1200 THEN STANDBY**
2. Avionics Master – **OFF**
3. Ignition Grounding – **CHECK**
4. Mixture – **IDLE CUTOFF**
5. Ignition – **OFF/KEYS OUT**
6. Battery & Alternator Field Switches – **OFF**
7. Control Lock / Pitot Cover – **INSTALL**
8. Tie Downs – **CONNECT**
9. Record – **HOBBS, TACH, ADDITIONS OF FUEL & OIL, POST FLIGHT CHECK**



**THIS CHECKLIST IS FOR REFERENCE ONLY  
ALWAYS CONSULT AIRCRAFT POH**

**ENGINE FAILURE AFTER TAKEOFF**

1. Pitch – **65 MPH**
2. Flaps – **DOWN**
3. Fuel Selector – **OFF**
4. Mixture – **IDLE CUTOFF**
5. Ignition & Master Switches – **OFF**
6. Doors – **OPEN BEFORE TOUCHDOWN**

**ENGINE FAILURE IN FLIGHT**

1. (A)irspeed – **70 MPH & TRIM**
2. (B)est Landing Site – **FLY DIRECT**
3. (C)ockpit Flow / (C)hecklist "Floor to door"
  - Fuel Selector – **LEFT / RIGHT / BOTH**
  - Mixture & Throttle – **ADJUST**
  - Carb Heat – **ON**
  - Ignition – **LEFT / RIGHT / BOTH**
  - Primer – **IN & LOCKED**

**IF NO RESTART**

4. (D)eclare – **MAYDAY (121.5, 7700 as req.)**
5. (E)xecute / (E)xit
  - Fuel Selector – **OFF**
  - Mixture – **IDLE CUTOFF**
  - Ignition Switch – **OFF**
  - Flaps – **AS REQUIRED**
  - Battery – **OFF**
  - Doors – **OPEN BEFORE TOUCHDOWN**

**ENGINE FIRE ON GROUND**

1. **CONTINUE CRANKING**
  - If engine starts: **1700 RPM THEN SHUTDOWN**
2. If no start: **SHUTDOWN**
  - Ignition – **OFF**
  - Battery Switch – **OFF**
  - Fuel Selector – **OFF**
  - Fire – **EXTINGUISH**

**ELECTRICAL FIRE IN FLIGHT**

1. Battery & Alternator Field Switches – **OFF**
  2. All Switches Except Ignition – **OFF**
  3. Vents/Cabin Air/Heat – **CLOSED/OFF**
  4. Fire – **EXTINGUISH**
- WHEN FIRE APPEARS OUT
5. Cabin – **VENTILATE**
  6. Circuit Breakers – **CHECK, DON'T RESET**
  7. Battery – **ON**
  8. Radios & Elec Equip – **ON ONE AT A TIME**

**AMMETER EXCESSIVE CHARGE / DISCHARGE**

1. Alternator Field Switch – **CYCLE OFF / ON**
2. Alternator CB – **CHECK IN (IF DISCHARGE)**
3. If Condition Remains:
  - Alternator – **OFF**
  - Electrical Load – **REDUCE**
  - Flight – **TERMINATE AS SOON AS PRACTICAL**

**TAKEOFF**

1. All Lights – **ON**
2. Mixture – **RICH BELOW 3000 FEET**
3. Throttle – **FULL FORWARD**
4. Elevator – **RAISE NOSE Vr 60 MPH**
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**LANDING**

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3. Braking – **MINIMUM REQUIRED**

**AFTER LANDING**

1. Wing Flaps – **UP**
2. Mixture – **LEAN 1 INCH FOR TAXI**
3. Carb Heat – **OFF**
4. Lights (Except Strobe) – **OFF**
5. Trim – **RESET FOR TAKEOFF**

**SHUTDOWN**

1. Transponder – **1200 THEN STANDBY**
2. Avionics Master – **OFF**
3. Ignition Grounding – **CHECK**
4. Mixture – **IDLE CUTOFF**
5. Ignition – **OFF/KEYS OUT**
6. Battery & Alternator Field Switches – **OFF**
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  - Mixture & Throttle – **ADJUST**
  - Carb Heat – **ON**
  - Ignition – **LEFT / RIGHT / BOTH**
  - Primer – **IN & LOCKED**

**IF NO RESTART**

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5. (E)xecute / (E)xit
  - Fuel Selector – **OFF**
  - Mixture – **IDLE CUTOFF**
  - Ignition Switch – **OFF**
  - Flaps – **AS REQUIRED**
  - Battery – **OFF**
  - Doors – **OPEN BEFORE TOUCHDOWN**

**ENGINE FIRE ON GROUND**

1. **CONTINUE CRANKING**
  - If engine starts: **1700 RPM THEN SHUTDOWN**
2. If no start: **SHUTDOWN**
  - Ignition – **OFF**
  - Battery Switch – **OFF**
  - Fuel Selector – **OFF**
  - Fire – **EXTINGUISH**

**ELECTRICAL FIRE IN FLIGHT**

1. Battery & Alternator Field Switches – **OFF**
  2. All Switches Except Ignition – **OFF**
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  - Alternator – **OFF**
  - Electrical Load – **REDUCE**
  - Flight – **TERMINATE AS SOON AS PRACTICAL**