

Cessna 172N Checklists

BEFORE ENGINE START

1. Aircraft Acceptance CHECKED
2. Preflight COMPLETED
3. Passenger Briefing (S.A.F.E.) COMPLETED
4. Seats & Seatbelts ADJ & LOCKED
5. Radios & Electrical OFF
6. Avionics & Autopilot OFF
7. Fuel Selector BOTH
8. Brakes TEST & HOLD
9. Circuit Breakers CHECK IN
10. Transponder SET 1200 & STDBY
11. CHECKLIST COMPLETED

STARTING ENGINE

1. Crewmember Briefing COMPLETED
2. Beacon ON
3. Carburetor Heat COLD
4. Mixture FULL RICH
5. Throttle 1/8 INCH
6. Prime COLD WEATHER
7. Master Switch ON
8. Propeller Area CLEARED
9. Ignition START
10. Throttle 1000 RPM
11. Oil Pressure IN GREEN ARC
12. Flaps RETRACT
13. Mixture LEAN @ 1200 RPM
14. Engine Instruments CHECKED
15. NAV Lights AS REQUIRED
16. Radio & Avionics ON
17. Altimeter SET
18. Transponder TEST, STANDBY
19. CHECKLIST COMPLETE

BEFORE TAXI

1. Taxi Briefing COMPLETED
2. Doors & Windows CLOSED / LATCHED
3. Taxi Light AS REQUIRED
4. Brakes CHECKED
5. CHECKLIST COMPLETED

TAXI

1. Flight Instruments CHECKED
2. Engine Instruments CHECKED
3. CHECKLIST COMPLETED

PKD Clearance Delivery	125.2
PKD ATIS	128.4
PKD Ground	121.6
PKD Tower	120.9
PKD VOR	116.6
EMERGENCY	121.5
Best Angle Vx	60 KIAS
Best Rate Vy	73 KIAS
Best Glide	65 KIAS
Stall with flaps Vso	34 KIAS

GROUND CHECK

1. Brakes HOLD
2. Doors & Windows CLOSED / LATCHED
3. Flight Controls FREE & CORRECT
4. Elevator Trim SET FOR TAKEOFF
5. Fuel BOTH
6. Primer IN & LOCKED
7. Mixture FULL RICH

>> ENGINE RUN-UP <<

8. Throttle 1700 RPM
9. Magneto Check MAX DROP 125 RPM
- DIFF DROP 50 RPM
10. Carburetor Heat RPM DROP
11. Suction CHECKED
12. Ammeter CHECKED
13. Engine Instruments CHECKED
14. Flight Instruments SET
15. Mixture (above 3,000 ft.) LEAN
16. Throttle 800 - 1000 RPM
17. Mixture LEAN @ 1200 RPM
18. Throttle Friction SET
19. Radios SET
20. Flaps SET
21. Departure Briefing COMPLETED
22. CHECKLIST COMPLETED

HOLD-SHORT

1. Flaps CHECKED
2. Carburetor Heat COLD
3. D. G. SET

>> CLEARED FOR TAKEOFF <<

4. Landing Light / Strobes ON
5. Transponder ALTITUDE
6. Mixture RICH
7. Time Off RECORDED
9. CHECKLIST COMPLETED

NORMAL TAKEOFF

1. Throttle FULL
2. Rotate 55 KIAS
3. Climb 70-80 KIAS (Vy 73)

SHORT FIELD, OBSTACLE CLEARANCE

1. Flaps 10°
2. Carburetor Heat COLD
3. Brakes APPLY & HOLD
4. Throttle FULL
5. Brakes RELEASE
6. Rotate 53 KIAS
7. Climb 53 KIAS UNTIL CLEAR
- OF OBSTACLES
8. Accelerate 70-80 KIAS (Vy 73)
9. Flaps RETRACT

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SOFT FIELD, OBSTACLE CLEARANCE

1. Flaps 10°
2. Accelerate and LIFT OFF NOSE GEAR as soon as possible.
Lift off at lowest possible airspeed. Accelerate in ground effect to 53 KIAS
3. Climb 53 KIAS UNTIL
- OBSTACLES ARE CLEAR
4. Accelerate 73 KIAS
5. Flaps RETRACT

SOFT FIELD, NO OBSTACLE

1. Flaps 10°
2. Accelerate and LIFT OFF NOSE GEAR as soon as possible.
Lift off at lowest possible airspeed. Accelerate in ground effect to 73 KIAS
3. Climb 73 KIAS
4. Flaps RETRACT

CLIMB

1. Flaps UP
2. Airspeed BEST RATE 73 KIAS
3. Mixture above 3,000 ft. LEANED
4. Engine Instruments CHECKED
5. D. G. SET
6. Landing Light OFF
7. CHECKLIST COMPLETED

CRUISE

1. Throttle 2200 - 2500 RPM
2. Mixture LEANED
3. Flight Instruments SET
4. D.G. SET / CHECKED
5. Lights AS REQUIRED
6. CHECKLIST COMPLETED

DESCENT

1. Mixture RICH
2. Fuel BOTH
3. Carburetor Heat BELOW 2000 RPM
4. Altimeter SET
5. Instruments CHECKED
6. Lights AS REQUIRED
7. CHECKLIST COMPLETED

BEFORE LANDING

1. Seat Backs ERECT
2. Seatbelts SECURED
3. Fuel BOTH
4. Mixture RICH
5. Carburetor Heat ON
6. Flaps AS REQUIRED
7. Landing Light ON
8. CHECKLIST COMPLETED

L - C G - u - M - P - S - S

FINAL APPROACH

1. Flaps AS REQUIRED
2. Speed 60 KIAS FULL FLAPS

AFTER LANDING

1. Carburetor Heat COLD
2. Flaps RETRACTED
3. Transponder STANDBY 1200
4. Landing Light / Strobes OFF
5. Mixture LEANED FOR TAXI
6. CHECKLIST COMPLETED

SECURING

1. Avionics OFF
2. Lights OFF
3. Mixture IDLE CUT-OFF
4. Ignition Switch OFF
5. Master OFF
6. HOBBS Time RECORDED
7. Chocks IN PLACE
8. Tie Downs SECURED
9. Controls LOCKED
10. Trash, Flight Gear REMOVED
11. CHECKLIST COMPLETED

POST FLIGHT WALK-AROUND

*** CLOSE FLIGHT PLAN ***

PKD ATIS	128.4
PKD Ground	121.6
PKD Tower	120.9
PKD VOR	116.6
Practice Area	123.5
EMERGENCY	121.5

Best Angle Vx	60 KIAS
Best Rate Vy	73 KIAS
Best Glide	65 KIAS
Stall with flaps Vso	34 KIAS
Va @ 2300 G.W.	97 KIAS
Va @ 1600 G.W.	80 KIAS

LOST COMMS	Squawk 7600
EMERGENCY	Squawk 7700

**CONFESS, CLIMB, COMMUNICATE, COMPLY,
CONSERVE FUEL**