

Cessna 172N - N5605J

PREFLIGHT

1. Documents	Check
2. Electrical Equip	Off
3. Magnetos	Off
4. Mixture	Cutoff/Out
5. Control Wheel Lock	Remove
6. Master	On
7. Fuel Gauges	Check
8. Flaps	Extend
9. Nav/Bcn/Strobe Lights	Check
10. Master	Off
11. Flaps	Retract
12. Flight Controls	Free

13. Baggage Door	Check
14. LT Elevator/Stabilizer	Check
15. Rudder	Check
16. Tail Tiedown	Untie
17. Rudder	Check
18. Trim Tab	Check
19. RT Elevator/Stabilizer	Check
20. Fuselage & Antennas	Check

21. RT Flap	Check
22. RT Aileron	Check
23. RT Wing	Check
24. RT Tiedown	Untie
25. RT Main Gear & Chocks	Check
26. RT Fuel Sump	Check
27. RT Fuel Quantity	Check

28. Check Oil	4-6 Qts
29. Fuel Strainer	Pull
30. Nose Gear	Check
31. Taxi/Landing Lights	Check
32. Cowl Plugs	Remove
33. Prop/Spinner/Belt	Check
34. Static Port	Check
35. Windshield	Clean

36. LT Main Gear & Chocks	Check
37. LT Fuel Sump	Check
38. LT Fuel Quantity	Check
39. Pitot Tube & Cover	Check
40. Fuel Vent	Check
41. Stall Warning	Check
42. LT Tiedown	Untie
43. LT Wing	Check
44. LT Aileron	Check
45. LT Flap	Check

BEFORE STARTING ENGINE

1. Preflight	Complete
2. Seat Belts	Secure
3. Passenger Brief	Complete
4. Brakes	Set
5. Circuit Breakers	Check
6. Avionics Master	Off
7. Fuel Selector	Both
8. Anti-collision/Beacon	On

STARTING ENGINE - COLD

1. Mixture	FULL RICH
2. Throttle	½" Open
3. Master	On
4. Primer	3 Shots
5. Prop	Clear
6. Starter	Engage
7. Throttle	800-1000 RPM
8. Oil Pressure	Check

STARTING ENGINE - FLOODED

1. Mixture	Cutoff/Out
2. Throttle	Full Open
3. Master	On
4. Starter	Engage
5. Mixture	Full Rich
6. Throttle	800-1000 RPM

BEFORE TAXI

1. Avionics Master	On
2. Transponder	STBY
3. WX ATIS/AWOS	Monitor
4. Lights	As Required
5. Radios	Freq/Clearance
6. Brakes	Check
7. Steering	Check
8. Mixture	As Required

RUN UP

1. Brakes	Set
2. Doors/Windows	Secure
3. Mixture	Rich
4. Throttle	1700 RPM
5. Magnetos	150 max drop
6. Carb Heat	Check
7. Alternator Output	Check
8. Suction Gauge	4.5-5.5
9. Engine Gauges	Check
10. Throttle	800-1000 RPM
11. Flight Instruments	Set
12. Trim	Set
13. Controls	Free
14. Before Takeoff Brief	Complete

BEFORE TAKEOFF

1. Fuel Selector	Both
2. Mixture	Set Best Power
3. Carb Heat	Closed/Off
4. Engine Gauges	Check
5. Lights	As Required
6. Transponder	ALT
7. Clearance	Record
8. Time	Record

NORMAL TAKEOFF

1. Flaps	Up
2. Throttle	Full Open
3. Rotate	55
4. Accelerate VY	73

SHORT FIELD TAKEOFF

1. Flaps	10 Degrees
2. Brakes	Apply
3. Throttle	Full Open
4. Brakes	Release
5. Rotate	55
6. Climb Over Obstacle	Vx 59
7. Accelerate	Vy 73

SOFT FIELD TAKEOFF

1. Flaps	10 Degrees
2. Rolling on Field	Full Back Yoke
3. Throttle	Full Open
4. Rotate	A/C Wants
5. Lower Nose	Maintain G.E.
6. Accelerate Vy	73
7. Flaps	Retract at Safe Alt

CLIMB

1. Enroute Climb	80-90
2. Lights	As Required

CRUISE

1. Power/Throttle	As Required
2. Mixture	As Required

SPEEDS

	kts
Vso	33
Vs1	44
Vx	59
Vy	73
Vfe	85
Vno	127
Vne	158
Va	<97
Best Glide	65
Max Xwind	15

DESCENT/APPROACH

1. Fuel Selector	Both
2. Mixture	Enrich as Required
3. Throttle	As Required
4. Carb Heat	Pull On
5. WX	Monitor
6. Lights	As Required
7. Radios	Clearance/Intentions

BEFORE LANDING

1. Fuel Selector	Both
2. Mixture	Full Rich
3. Power/Throttle	As required
4. Carb Heat	On
5. Seatbelts	Secure
6. Flaps	In White Arc
7. Trim	As required
8. Final Apch Speed	65

AFTER LANDING

1. Clear of Runway	Flaps Up
2. Transponder	SBY
3. Lights	As Required
4. Flight Plan	Closed
5. Radios	As Required

SHUT DOWN

1. Electrical	OFF
2. Throttle	800-100 RPM
3. Mixture	Cutoff/Out
4. Magnetos	OFF
5. Master	OFF
6. Times	Record
7. Secure Aircraft	Chocks/Tie Downs

ENGINE FAILURE DURING TAKE OFF ROLL

1. Throttle	Idle
2. Brakes	Apply Full
3. Flaps	Retract
4. Mixture	Cutoff/Out
5. Magnetos	OFF
6. Master	OFF

ENGINE FAILURE AFTER TAKE OFF

With Available Runway

1. Throttle	Closed
2. Land	Straight Ahead

At Sufficient Altitude

1. Best Glide	65 KIAS
2. Fuel Selector	Both
3. Mixture	Rich
4. Carb Heat	ON

ENGINE FAILURE IN FLIGHT

1. Airspeed	65 KIAS
2. BEST place to land	Select
3. Fuel Selector	Both
4. Mixture	Rich
5. Carb Heat	ON
6. Engine Gauges	Check
7. Magnetos	Both

FORCED LANDING

1. Airspeed	65 KIAS
2. Declare Emergency	121.5
3. Transponder	7700
4. Throttle	Closed
5. Master	OFF
6. Ignition	OFF
7. Flaps	As required
8. Fuel Selector	OFF
9. Mixture	Cutoff/OUT
10. Seatbelts	Secure
11. Door	Prop Open

TRANSPONDER CODES

VFR without Advisories	1200
Hijack	7500
Lost Communications	7600
Emergency	7700

ENGINE FIRE - GROUND

1. Starter	Continue Crank
2. Mixture	Cutoff/Out
3. Throttle	Open
4. Electrical	OFF
5. Fuel Selector	OFF

ABANDON IF FIRE PERSISTS

ENGINE FIRE - FLIGHT

1. Fuel Selector	OFF
2. Throttle	Closed
3. Mixture	Cutoff/Out
4. Cabin Heat	OFF
5. Defrost	OFF

LAND IMMEDIATELY

ELECTRICAL FIRE

1. Master	OFF
2. Vents	Open
3. Cabin Heat	OFF

LAND AS SOON AS PRACTICAL

ENGINE ROUGHNESS

1. Carb Heat	ON
2. Mixture	Adjust
3. Engine Gauges	Check
4. Magnetos	L then R then BOTH
5. Land	At nearest airport

ALTERNATOR FAILURE

1. Electrical Equip	OFF
2. Circuit Breakers	Check
3. Master	OFF then ON
4. Elec Equip	ON one at a time
5. Ammeter	Check
6. Elec Load	REDUCE if neg charge
7. Land	When practical

ELECTRICAL OVERLOAD

1. Electrical Load	Reduce
If Overload Persists	
2. ALT Switch	OFF
3. Land	When practical

HIGH OIL TEMP

1. Mixture	Enrich
2. Land	When practical

LOSS OF OIL PRESSURE

1. LAND	NEAREST AIRPORT
---------	-----------------