

## Cessna 172N Normal Checklist

### BEFORE TAKEOFF

Brakes-----HOLD  
 Doors, Windows--CLOSED, LOCKED  
 Flight Controls-----CHECK  
 Flight Instruments-----CHECK  
 Fuel Selector-----BOTH  
 Mixture-----RICH  
 Trim-----TAKEOFF  
 Throttle-----1700 RPM  
 Magnetos-----CHECK (125/50)  
 Engine Instruments-----  
 Ammeter-----CHECK  
 Suction-----CHECK  
 Carburetor Heat-----ON  
 Idle-----CHECK  
 Throttle-----1000 RPM  
 Radios-----SET  
 Departure-----REVIEW

**ABORT PLAN READY**

### LINEUP

Time-----RECORD  
 Altitude-----SQUAWK  
 Icing-----ON, as req'd  
 Lights-----ON, as req'd  
 HI to Compass-----SET

### TAKEOFF

Flaps-----UP  
 Throttle-----FULL  
 Rotate-----55(Vr)  
 Climb Speed-----74 (Vy)

### V Speeds

Vne ..... 160	Vno ..... 128
Vr ..... 55	Vs ..... 47
Vy ..... 73	Vso ..... 41
Vx ..... 60	Best Glide ..... 65
Vwindow ..... 160	Max Xwind ..... 15
Vfe:	Va:
10° ..... 110	2300Lbs ..... 97
10° - 40° ..... 85	1950Lbs ..... 89
	1600Lbs ..... 80

### CLIMB

Airspeed-----70 - 85 KIAS  
 Throttle-----FULL  
 Mixture-----LEAN ABOVE 3000'  
 HI to Compass-----SET  
 Engine Instruments-----CHECK

### CRUISE

Power-----2200-2700rpm (75% max)  
 Trim-----SET  
 Mixture-----LEAN  
 Landing Lights-----OFF

### DESCENT

Mixture-----ADJUST  
 Power-----As Req'd  
 Carburetor Heat-----As Req'd  
 Landing Light-----ON

### BEFORE LANDING

Seats, Seat Belts, Harnesses -- SECURE  
 Fuel Selector-----BOTH  
 Mixture-----RICH  
 Carburetor Heat-----ON

**ABC GUMPS**

### GO AROUND

Cram It-----FULL THROTTLE  
 Climb It-----POSITIVE RATE CLIMB  
 Clean It-----FLAPS UP, in increments  
 Cool It-----Carburetor Heat OFF  
 Call It-----Announce Missed/go around

### AFTER LANDING

Carburetor Heat-----COLD  
 Flaps-----UP  
 Mixture-----LEAN 1"  
 Transponder-----STANDBY  
 Ldg Light-----OFF, As req'd

### SECURING

Avionics Master-----OFF  
 Lights-----OFF, Beacon ON  
 Magnetos-----GROUND CHECK  
 Mixture-----IDLE CUTOFF  
 Magnetos-----OFF  
 Master-----OFF  
 Control Lock-----INSTALL

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### PREFLIGHT

#### *Cabin*

Documents----- AROW  
 Control Lock -----REMOVE  
 Magnetos -----OFF  
 Avionics Master -----OFF  
 Master----- ON  
 Fuel Quantity Indicators ----- CHECK  
 Flaps-----DOWN  
 Lights & Pitot Heat----- ON  
 Check Lights, then-----OFF  
 Master-----OFF  
 Fuel Selector - CHECK EA. POSITION  
 Baggage Door-----SECURE

#### *Empennage*

Tail Tie-down-----REMOVE  
 Control Surfaces-----FREE, CLEAR

#### *Right Wing*

Flap----- CHECK  
 Aileron-----FREE, CLEAR  
 Wing Tie-down-----REMOVE  
 Main Wheel Tire----- CHECK  
 Fuel Sump -----DRAIN & CHECK  
 Fuel Qty----- VISUAL CHECK  
 Fuel Filler Cap-----SECURE

#### *Nose*

Engine Oil ----- CHECK (4-6)  
 Fuel Strainer-----DRAIN & CHECK  
 Prop & Spinner ----- CHECK  
 Carburetor Air Filter ----- CHECK  
 Nose Wheel & Strut----- CHECK  
 Static Source ----- CHECK

#### *Left Wing*

Main Wheel Tire----- CHECK  
 Fuel Sump ----- DRAIN &   
 Fuel Qty----- VISUAL   
 Fuel Filler Cap -----SECURE  
 Pitot Tube----- CHECK  
 Fuel Tank Vent ----- CLEAR  
 Stall Warning Vane -----   
 Wing Tie down -----REMOVE  
 Aileron----- CHECK  
 Flap----- CHECK

### BEFORE START

Preflight----- COMPLETE  
 Passenger Brief----- COMPLETE  
 Seats, Seat Belts----- SECURE  
 Fuel Selector-----BOTH  
 Avionics----- OFF  
 Brakes -----HOLD  
 Circuit Breakers----- ALL IN

### STARTING

Mixture-----RICH  
 Carburetor Heat -----COLD  
 Beacon -----ON  
 Master -----ON  
 Prime ----- AS REQUIRED  
 Throttle----- OPEN 1/8"  
 Propeller ----- CLEAR  
 Magnetos----- START  
 Oil Pressure-----CHECK  
 Avionics-----ON  
 Mixture----- LEAN 1"  
 Flaps----- UP  
 Transponder -----STANDBY

### TAXI

Brakes -----TEST  
 Turn Instruments-----CHECK

#### VFR Day Minimum Equipment:

Gas Gauges, Oil Temp, Oil Pres., Seat Belts, ELT,  
 Altimeter, Compass, Airspeed indicator, Tach.

#### VFR Night Minimum Equipment:

Position Lights (NAV), Anti-Collision Lights  
 (beacon, strobes), Landing Light (if for hire),  
 Electrical source, Spare fuses.

#### IFR Minimum Equipment:

*D*irectional Gyro  
*E*lectrical source  
*C*lock (h:m:s)  
*A*ltimeter (pressure sensitive)  
*R*adios appropriate for nav aids to be used  
*A*ttitude indicator  
*T*urn Coordinator  
**VOR** Check last 30 days