



C-172N CHECKLIST

PREFLIGHT INSPECTION

CABIN

1. DocumentsARROW
2. Flight Plan & Charts AVAILABLE
3. Aircraft Wt & Balance CHECK
4. Parking Brake SET
5. Control Wheel Lock REMOVE
6. Magnetos OFF
7. Avionics Master OFF
8. Master (ALT & BAT) ON
9. Lights & Pitot Heat CHECK
10. Fuel Quantity (L & R) CHECK
11. Flaps EXTEND 10°
12. Master (ALT & BAT) OFF
13. Circuit Breakers CHECK IN
14. Fire Extinguisher CHECK
15. Fuel Selector Valve BOTH
16. Alternate Static Air Valve OFF
17. Elevator Trim SET FOR TAKEOFF

EMMPENAGE

1. Baggage Door OPEN (LEAVE KEY)
2. Rudder Gust Lock REMOVE
3. Tail Tiedown REMOVE
4. Rear Control Surfaces CHECK
5. Elevator Trim Tab CHECK
6. Antennas CHECK

RIGHT WING

1. Right Flap & Aileron CHECK
2. Right Wing General Condition .. CHECK
3. Right Wing Tiedown REMOVE
4. Right Main Wheel & Tire CHECK
5. Right Main Brake Condition CHECK
6. Right Wheel Chocks REMOVE
7. Right Wing Fuel Sump DRAIN

8. Right Fuel Qty & Cap CHECK

NOSE AREA

1. Engine Heater .. UNPLUG (if necessary)
2. Engine Oil CHECK (4 qts min)
3. Fuel Strainer DRAIN (4 secs.)
4. Nosewheel Tire & Strut CHECK
5. Nosewheel Chocks REMOVE
6. Cowl Plugs REMOVE
7. Engine Cooling Air Inlets CHECK
8. Alternator Belt CHECK
9. Propeller & Spinner CHECK
10. Air Filter CHECK
11. Static Port CHECK

LEFT WING

1. Left Fuel Quantity & Cap CHECK
2. Fuel Tank Vent Opening CHECK
3. Stall Warning Opening CHECK
4. Pitot Tube Cover CHECK
5. Left Wing General Condition CHECK
6. Left Aileron & Flap CHECK
7. Left Wing Tiedown REMOVE
8. Left Main Wheel & Tire CHECK
9. Left Main Brake Condition CHECK
10. Left Wheel Chocks REMOVE
11. Left Wing Fuel Sumps DRAIN
12. Baggage Door CLOSED & LOCKED

BEFORE ENGINE START

1. Preflight Inspection COMPLETE
2. Hobbs & Tach ... NOTE IN CLIPBOARD
3. Passenger Briefing:
 - a. Seat Adjustment CHECK
 - b. Seat Belts LATCH / UNLATCH
 - c. Doors OPEN / CLOSE / LOCK
 - d. Windows OPEN / CLOSE / LOCK
 - e. Off-airport landings BRIEF
 - f. Weather BRIEF
 - g. Smoking NO
4. Seats & Seatbelts .. CHECK & ADJUST
5. Brakes TEST & SET
6. Circuit Breakers CHECK IN
7. Electrical Equipment OFF
8. Avionics Master OFF
9. Fuel Selector Valve BOTH
10. Flight Controls FREE & CORRECT

ENGINE START

1. Beacon ON
 2. Master Switch (ALT & BAT) ON
- Prime Engine** (omit if engine is warm)

 3. Engine Primer 1 to 3 pumps
 4. Throttle ½ " OPEN
 5. Mixture FULL RICH
 6. Propeller Area CLEAR
 7. Magnetos Switch START
 8. Throttle 1000 RPM
 9. Oil Pressure CHECK
 10. Mixture SET FOR ALTITUDE

BEFORE TAXI

1. Lights AS REQUIRED
2. Flaps RETRACT
3. Transponder STANDBY
4. Avionics Master ON
5. GPS Flight Plan AS REQUIRED
6. Weather / ATIS LISTEN & RECORD
7. COM Radios SET
8. NAV Radios SET
9. Taxi Clearance OBTAINED
10. Taxi Area CLEAR
11. Brakes TEST IMMEDIATELY

TAXI INSTRUMENT CHECK

1. Airspeed ZERO
2. Attitude Indicator CHECK and SET
3. Altimeter SET
4. Turn Coordinator fluid, wings level, responds to turns
5. Compass fluid, rotates freely
6. Directional Gyro SET to compass
7. VSI NOTE LEVEL
8. Marker Beacon ON and TEST
9. Alternate Static Source CHECK



BEFORE TAKEOFF CHECK

1. Brakes SET
2. Seats, Seat backs, Seatbelts ... CHECK
3. Doors CLOSED & LOCKED
4. Altimeter SET
5. Directional Gyro SET TO COMPASS
6. Fuel Quantity CHECK
7. Fuel Selector Valve BOTH
8. Elevator Trim SET FOR TAKEOFF

RUNUP

9. Mixture RICH
10. Throttle 1700 RPM
11. Mixture SET FOR ALTITUDE
12. Carburetor Heat ... CHECK RPM DROP
13. Magnetos CHECK
150 max drop, 50 max difference
14. Ammeter CHECK
15. Engine Indicators CHECK
16. Suction Gage CHECK
17. Throttle CHECK IDLE
18. Throttle 1000 RPM or less
19. Throttle Friction SET
20. COM Radios SET
21. NAV Radios SET
22. GPS Flight Plan AS DESIRED
23. Transponder ... ALT / CHECK SQUAWK
24. Lights AS REQUIRED
25. Takeoff Clearance OBTAINED

NORMAL TAKEOFF

- Flaps UP
 Carburetor Heat OFF
 Throttle FULL
 Lift Nosewheel WHEN ABLE
 Accelerate in G.E. TO 65 KIAS
 Climb Airspeed (V_y) 70 KIAS

SHORT-FIELD TAKEOFF

- Flaps UP
 Carburetor Heat OFF
 Brakes HOLD
 Throttle FULL
 Brakes RELEASE
 Rotate 55 KIAS
 Obstacle Climb A/S (V_x) 60 KIAS

NORMAL CLIMB

Airspeed 70 to 80 KIAS
 Throttle RETARD SLIGHTLY
 Mixture.....AS REQUIRED FOR MAX RPM

CRUISE

Throttle2400 RPM
 Elevator TrimADJUSTED
 Mixture.....SET FOR ALTITUDE
 Engine Gages.....CHECK
 Directional Gyro.....SET TO COMPASS
 Flight PlanVERIFY AND OPEN

DESCENT

Throttle 2500 RPM (Max)
 Mixture.....ADJUST AS REQUIRED
 Altimeter SET
 Fuel Selector Valve BOTH
 Wing Flaps.....AS DESIRED
 Carburetor Heat..... ON BELOW 2100 RPM

BEFORE LANDING

Carburetor Heat..... ON BELOW 2100 RPM
 Fuel (Gas)..... BOTH
 Undercarriage.....DOWN AND LOCKED
 Mixture..... SET
 Power SET
 Seats & Seatbelts.....CHECK & ADJUST
 Switches (lights, etc).....AS DESIRED

LANDING

Downwind.....90 KIAS MAX
 Abeam Numbers..... 85 KIAS / FLAPS 10°
 Base Leg 75 KIAS / FLAPS 20°
 Final Leg.... 65 KIAS / FLAPS AS DESIRED

GO-AROUND

ThrottleFULL
 Carburetor Heat..... OFF
 Flaps..... RETRACT TO 20°
 Climb Airspeed 60 KIAS
 Flaps..... RETRACT TO 10° at 65 KIAS

AFTER LANDING

Flaps..... RETRACT
 Carburetor Heat..... OFF
 LightsAS REQUIRED
 Transponder STANDBY
 Ground ClearanceOBTAIN

SHUTDOWN & SECURE

1. Fuel Quantity NOTE
2. Avionics Master OFF
3. Mixture..... LEAN CUTOFF
4. Magnetos..... OFF (Keys on panel)
5. Elec Equip OFF (except BEACON)
6. Master Switch OFF
7. Control LockINSTALL
8. Fuel Selector Valve LEFT or RIGHT
9. Hobbs & Tach Times NOTE
10. SunscreenINSTALL
11. Wheels..... CHOCK
12. Tiedowns SECURE
13. Cowl Plugs.....INSTALL
14. Engine Heater..... PLUG IN (in Winter)
15. Flight Plan..... CLOSE

GRAND JUNCTION AREA RADIO COMMUNICATIONS FREQUENCIES

KGJT ATIS 118.55
 KGJT Ground 121.70
 KGJT Tower 118.10
 Denver Approach / Departure 119.70
 Denver Center 134.50
 Denver Radio 122.60 or 122.20

GRAND JUNCTION AREA NAVIGATION STATION FREQUENCIES

JNC VOR 112.40
 ILS Rwy 11 110.30
 LDA Rwy 29..... 109.70

IFR CHECKLISTS

CLEARANCE

Clearance Limit
 Route
 Altitude
 Frequency
 Transponder Code

HOLDING AND APPROACHES (6 Ts)

Turn Throttle
 Time Track
 Twist Talk

APPROACH BRIEFING

Missed Approach Procedure
 Minimum Altitude (DA or MDA)
 Radios
 Time (FAF to MAP)
 Heading(s)
 Altitude(s)

WIRE CHECK (Prior to IAF)

Weather
 Instruments (DG & Alt)
 Radios (all tuned / identified)
 Environment

- How low?
- How long?
- What if?

MISSED APPROACH

Cram it (full power)
 Climb it
 Clean it
 Cool it
 Call it

Telephone Numbers

Colorado Flight Center ... 970 254 0444
 Bradley Sullivan 970 210 5527
 Collin Fay 970 260 6547
 Flight Service 800 992 7433
 KGJT ATIS..... 970 245 7881
 KGJT Tower 970 986 3351
 West Star Desk..... 970 248 5215
 Monument Aircraft 970 257 9175
 TriStar Aviation 970 255 1501

AIRCRAFT SPEEDS

V_A 80 to 97 KIAS
 V_{FE} 85 KIAS
 V_{NO} 128 KIAS
 V_{NE} 160 KIAS
 V_{S1} 47 KIAS
 V_{S0} 41 KIAS
 V_X 60 KIAS
 V_Y 70 KIAS
 Best Glide 65 KIAS

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If you are unable to return to Grand Junction when expected, please call us toll-free at 1-866-897-7910 to advise us of your new ETA. You may also reach Bradley Sullivan at (970) 210-5527 or Collin Fay at (970) 260-6547.



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