

SPEEDS FOR NORMAL OPERATION

Short Field Takeoff, Flaps 10° 56 KIAS
Normal Climb 75-85 KIAS
Best Rate of Climb, Sea Level 74 KIAS
Best Rate of Climb, 10,000 Feet 72 KIAS
Best Angle of Climb, Sea Level 62 KIAS
Best Angle of Climb, 10,000 Feet. 67 KIAS
Normal Approach, Flaps Up 65-75 KIAS
Normal Approach, Flaps 30° 60-70 KIAS
Short Field Approach, Flaps 30° 61 KIAS
V_a – 2550 Lbs. 105 KIAS
V_a – 2200 Lbs. 98 KIAS
V_a – 1900 Lbs. 90 KIAS
Maximum Glide 68 KIAS

CABIN CHECKS

1. Control Locks -- REMOVED
2. Ignition -- OFF
3. Empty Seats -- BELTS SECURE
4. Trim -- FULL TRAVEL (visual)
5. Fuel Selector Valve -- BOTH
6. Fuel Shutoff Valve -- ON (push full in)
7. Master Switch -- ON
8. Fuel Gauges -- CHECK
9. Avionics Master Switch -- ON
10. Avionics Cooling Fan -- AUDIBLY ON
11. Avionics Master Switch -- OFF
12. Static Pressure Alternate -- OFF
13. Annunciator Panel Switch -- TEST
14. Flaps -- EXTEND (up after walk-around)
15. Lights & Pitot Heat-- CHECK
16. Master Switch -- OFF

PRE-START

1. Passengers -- BRIEFED ON: Exits, Smoking, ELT, Forced Landing, Fire Extinguisher, First-Aid kit, Seats & Belt operation
2. Seat Backs -- MOST UPRIGHT POSITION
3. Seat Belts/Doors -- SECURED
4. Brakes -- SET
5. Circuit Breakers -- CHECK IN
6. Electrics & Autopilot -- OFF
7. Avionics Master Switch -- OFF
8. Fuel Selector Valve -- ON LEFT
9. Fuel Shutoff Valve -- ON (push full in)
10. Hobbs Meter -- RECORD
11. Flight Controls -- FREE & CORRECT

checklist for Giuw
CESSNA 172SP AIRCRAFT
EDMONTON FLYING CLUB
Modified May 29, 2001

ENGINE START

1. Throttle -- OPEN 1/4 INCH
2. Mixture -- IDLE CUT-OFF
3. Master Switch -- ON
4. Lights -- AS REQUIRED
5. Auxiliary Fuel Pump Switch -- ON
6. Mixture -- ADVANCE just until fuel flow starts to rise, then pull BACK TO IDLE CUT-OFF
7. Auxiliary Fuel Pump -- OFF

NOTE: If engine is warm, omit steps 5 & 6

8. Prop Area -- CLEAR (call "Clear")
9. Ignition -- START
10. Mixture -- ADVANCE smoothly to RICH

NOTE: If engine floods, do the following:

Turn off auxiliary fuel pump, place mixture in idle cut-off, open throttle 1/2 to full, and crank engine. When engine fires, advance mixture to full rich and retard throttle promptly.

11. Throttle -- ADJUST for 1000 RPM or less
12. Oil Pressure -- CHECK
13. Mixture -- LEAN as required

PRE-TAXI

1. Breakers -- IN
2. Avionics Master Switch -- ON
3. Transponder -- TEST & STANDBY 1200
4. Altimeter -- SET
5. Heading & Attitude Indicators -- SET
6. Fuel Selector Valve -- ON RIGHT
7. Brakes -- CHECK
8. Instruments -- CHECK while rolling

RUN UP

1. Nose Wheel -- STRAIGHT
2. Brakes -- ON
3. Fuel Selector Valve -- ON BOTH
4. Mixture -- RICH
5. Throttle -- 1800 RPM
6. Magnetos -- CHECK
Max Drop 150 RPM
Max Difference 50 RPM
7. Mixture -- OPERATIONAL
8. Oil Temp -- CHECK
9. Oil Pressure -- CHECK in the Green
10. Suction -- CHECK in the Green
11. Ammeter -- CHARGING
12. Annunciator Panel -- NONE LIGHTED
13. Throttle -- IDLE (Verify smooth engine operation at idle speed of 565 to 625 RPM)
14. Oil Pressure -- CHECK above red
15. Throttle -- 1000 RPM

BEFORE TAKEOFF

1. Trim -- SET (Visual Check)
2. Master -- ON
3. Magnetos -- ON BOTH
4. Throttle Friction -- ADJUSTED
5. Strobe Lights -- AS DESIRED
6. Autopilot -- OFF
7. Flaps -- AS REQUIRED
8. Fuel Selector Valve-- RECHECK BOTH
9. Passenger Seat Backs -- MOST UPRIGHT POSITION
10. Seats/Belts/Doors -- SECURED
11. Flight Controls -- FREE & CORRECT

HOLD SHORT

1. Transponder -- ALTITUDE MODE
2. Mixture -- RICH (below 3000 ft.)
3. Lights -- AS REQUIRED
4. Pitot heat -- AS REQUIRED
5. Time -- RECORD
6. Heading Indicator -- SET

LEVEL-OFF

1. Power -- SET
2. Mixture -- LEAN as required
3. Lights -- AS REQUIRED
4. Heading Indicator -- SET

PRE-LANDING

1. Master -- ON
2. Magnetos -- ON BOTH
3. Fuel Gauges -- CHECK
4. Oil -- TEMPERATURE & PRESSURE
5. Landing/Taxi Lights -- ON
6. Mixture -- RICH
7. Fuel Valve -- ON BOTH
8. Brakes -- CHECK
9. Pilot & Passenger Seat Backs -- MOST UPRIGHT POSITION
10. Belts & Doors -- SECURED & LOCKED
11. Autopilot -- OFF

POST-LANDING

1. Time -- RECORD
2. Transponder -- OFF
3. Flaps -- RETRACTED
4. Mixture -- LEAN AS REQUIRED
5. Lights -- AS REQUIRED

SHUT DOWN

1. Radio -- 121.50, then OFF
2. Electrics -- OFF
3. Beacon Light -- LEFT ON
4. Avionics Master Switch -- OFF
5. Throttle -- IDLE
6. Magnetos -- DEAD MAG CHECK
7. Throttle -- 1000 RPM or less
8. Mixture -- IDLE CUT-OFF
9. Magnetos -- OFF (Key Out)
10. Master -- OFF
11. Control Lock -- INSTALLED
12. Fuel Selector Valve -- RIGHT or LEFT to prevent cross-feeding
13. Hobbs Meter -- RECORD
14. Pitot Cover -- ON
15. SECURE AIRCRAFT (chock or tie down)