

Piper PA22 C-FKZD

Cockpit Check before Exterior

- Remove control wheel lock
- Mag -- Off
- Master – ON
 - o Check fuel quantity
 - o Flaps down 40 deg
 - o Beacon & Nav Lights - CHECK
 - o Master -- OFF
- Fuel Selector -- RIGHT TANK
- Trim - FREE / SET FOR TAKEOFF
- Check Fire Extinguisher (quantity, Pin, Secure)
- Aircraft Documents – CHECK
- Baggage Door – LOCKED
- Cowling Latches - LOCKED

PASSENGER BRIEF

- Exits, Doors and Windows
- Fire Extinguishers
- Emergency Supplies
- ELT
- Seat Belts
- No Smoking
- Prop Safety/PIC instructions

BEFORE START CHECK

Winter Kit – REMOVED ABOVE -6°C
Chocks & Pitot Cover -- REMOVED
Preflight Inspection -- COMPLETE
Seats, Belts and Harnesses -- SECURE
Controls -- FREE and CORRECT
Circuit Breakers – CHECKED ALL IN
Radio, Avionics -- OFF
Parking Brake -- SET

ENGINE START CHECK

Engine Hobbs -- RECORD
Fuel Selector -- RIGHT TANK
Mixture -- RICH
Carburetor Heat -- COLD
Throttle -- OPEN 1/8 INCH
Master Switch (Top Switch) – ON
Check Prop - CLEAR
Engine Temp – CHECK

- Below 40°F
 - o Prime – 3-5 FULL STROKES
 - o Mags - LEFT
- Above 40°F
 - o Prime - NONE
 - o Mags - BOTH

Starter (Bottom Switch) – ENGAGE
Oil Pressure -- NORMAL WITH IN 30 SECONDS
Throttle -- 1000 RPM
Magnetos -- DEAD MAG CHECK
Magnetos – BOTH

PRE-TAXI CHECK

Flaps -- CHECK then RETRACT
Ammeter -- CHECK CHARGING
Avionics & Radio -- SET
Transponder -- STAND BY 1200 or (0240 - CYZX)
Fuel Selector -- LEFT TANK
Instruments -- SET & CHECKED
Mixture -- LEAN FOR TAXI (1")
Parking Brake -- OFF / Brakes -- CHECKED
Instrument Taxi Check

RUN UP CHECK

Parking Brake -- SET
Doors and Both Windows -- SECURE
Cabin -- SECURE
Controls -- FREE
Fuel Selector -- ON BOTH
Mixture -- RICH
Throttle -- 1800 RPM
Oil Temp and Pressure -- BOTH GREEN
Magnetos -- CHECK (RPM 125 max drop and 75 RPM max difference)
Mixture -- CHECK LEANING
Ammeter -- CHECK
Carburetor Heat -- HOT *CHECK DROP*
Power -- IDLE
Oil Temp/ Pressure -- CHECK
Carburetor Heat -- COLD
Power -- 1000 RPM
Parking Brake – OFF

BEFORE TAKEOFF CHECK

Takeoff -- BRIEF
Engine Failure -- BRIEF
Trim -- SET FOR TAKEOFF
Radios -- SET
Throttle Friction Lock -- ADJUST
Radio -- INTENTIONS

CREW TAKEOFF BRIEF

We are going to line up on runway____, our GO or NO GO point will be_____.
We will rotate at 60 MPH and climb out at ___MPH.
The wind is from ____ At ___ knots.

ENGINE FAILURE BRIEF

Any malfunction during the T/O roll we will retard the throttle and stop straight ahead.

If we have an EF after T/O:

below 500' AGL we will land straight ahead only making gentle turns.

Between 500'-1000' AGL we will turn up 90 deg.

Above 1000' AGL Carry out a modified circuit.

LINE-UP CHECK

Landing Lights -- ON
 Mixture -- RICH
 Carb Heat -- COLD
 Fuel Selector -- BOTH
 Transponder -- ALT
 Runway Heading DG -- CHECK
 Time Up -- RECORD
 Call Tower -- Ready For Take Off

NORMAL TAKEOFF CHECK

Flaps -- UP
 Carburetor Heat -- COLD
 Throttle -- FULL OPEN
 Rotate -- 60 mph
 Normal Climb -- Speed 100 mph
VX --70 mph **VY** -- 84 mph

CRUISE CHECK

RPM -- 2200-2500 (75% best performance)
 Elevator -- TRIM
 Mixture -- LEAN (Rich of Peak)
 Heading Indicator -- Confirm with Compass
 Landing Light -- OFF

PASSENGER TAKEOFF/LANDING BRIEF

We are getting ready for takeoff/ landing. Let me focus on flying the aircraft and avoid talking during the takeoff and landing stages. If you have any question you can ask me or after Landing/Take off.

Please stay clear of all the controls unless I say it's okay. Make sure your door, seats, seat belts and shoulder harness is secure.

COMMON FREQUENCIES

Greenwood ATIS 128.85
 Greenwood Ground 133.75
 Greenwood Tower 119.5
 Greenwood Terminal 120.60
 Halifax FSS 123.275
 Halifax ATIS 121.00
 Halifax Tower 118.40
 Halifax Terminal 118.70
 Hillaton Kings Aerodrome 123.2
 Moncton Center 124.4
 Debert 123.00
 Digby 122.80
 VFR Broadcast 126.70

EMERGENCY 121.50**TRANSPONDER EMERGENCY CODES**

SQUAWK 7500 -- HIJACK
 SQUAWK 7600 -- COM FAILURE
 SQUAWK 7700 -- MAY DAY

DESCENT CHECK

Mixture -- RICH
 Carburetor -- AS REQUIRED
 Power -- AS DESIRED

BEFORE LANDING CHECK

Passenger Briefing - COMPLETE
 Brakes -- CHECKED
 Doors -- LOCKED
 Seats, Belts, Harnesses -- SECURE
 Fuel Selector Valve -- BOTH
 Mixture -- RICH
 Carburetor Heat -- HOT
 Landing Light -- ON

NORMAL LANDING CHECK

Wing Flaps -- As Required (below 95 mph)
 Air Speed -- 65-75 mph (flaps down)
 Touchdown -- ON MAIN WHEELS
 Landing Roll -- LOWER NOSE GENTLY
 Braking -- AS REQUIRED

AFTER LANDING CHECK

Carburetor Heat -- COLD
 Wing Flaps -- UP
 Transponder -- STAND BY
 Landing Light -- OFF
 Mixture -- LEAN FOR TAXI (1")
 Time Down -- RECORD

SHUT DOWN CHECK

Electrical Equipment, Avionics -- OFF
 Power -- IDLE
 Magnetos -- LIVE MAG CHECK
 Mixture -- IDLE CUT-OFF
 Magnetos -- OFF
 Lights -- OFF
 BKN Light -- ON
 Master Switch -- OFF
 Engine Hobbs -- RECORD
 Control Lock -- INSTALLED
 Pitot Cover -- ON
 Chocks -- IN
 Flaps -- Down if parking outdoors