

Emergency Procedures

Rough Running Engine

Carb Heat.....On
Mix Rich
Fuel..... Re-select both + sufficient
Engine Guages Ts/Ps in the Green
Primer In and Locked
Mags Cycle then Both

Communication Failure

Radio Check Frequency, Volume, Squelch
Master Both Off
Electrical Equip.....Off
Circuit Breakers..... Check
Master/Electrical Equip..... On
Transponder 7600
Light Signals..... Green-Clr land, Red-Cont Circling
Contact Tower Emergency Line 250-765-3426
Or Divert to Alternate Airport

Engine Fire in Flight

MixIdle Cut Off
Fuel Selector.....Off
MasterOff
Cabin ht + air vents..... Closed
Airspeed..... 105 knots or higher
Forced Landing..... Land Safely!

Electrical Fire in Flight

Master Both Off
Cabin ht + air vents..... Closed
Fire Extinguisher Activate
Ventilate Cabin
Check circuit breakers Dont reset!!!
Switches except ignitionOff
Master On
Switches Turn on one at a time slowly
Terminate Flight ASAP

Forced Landing

Pitch best glide75 Kts
Initial cause check Mix rich, fuel reselect both
Carb heat On
Pick field Plan approach
Cause check

1. Fuel Sufficient
2. Oil temp + Pressure green
3. Primer in + locked
4. Master - both
5. Mags cycle then both
6. Throttle Vary
7. Mix vary
8. Props full fine
9. Fuel reselect both

Attempt Restart
Mayday Call.....On current Freq or 121.5
Transponder 7700
Passenger Quick brief
Secure engineShutdown

MAKE THE FIELD

Secure Aircraft/Shut Down

Avionics MasterOff
SwitchesOff
Live Mag CheckOff/Both
MixtureIdle Cut Off
MagsOff
MasterOff
Keys Out!

Control LockInstall
Secure Aircraft4 ropes securely tied
Radios/Equip.....Off



1979 C180K FWJC Checklist

Empty Wt. 2198 lbs
Gross Wt. 3190 lbs
Teledyne Continental O-470-U
Power 230 HP @ 2400 rpm
Oil W100 - 8-10 qts

Take-Off

KIAS

Normal Climb.....70
50' Max Performance -20° Flap60
Vx - SL63/10K66
Vy - SL79/10K72
Best Glide.....75

Enroute

Cruise @ 75% 22"/2200 RPM
Va - Maneuvering Speed.....3190 lbs - 108

Vs - Stall.....58
Vso - Stall/Flaps.....54
Vne - Never Exceed Speed.....167
Vno - CAUTION - Yellow arc.....139

Land

Vfe - Flaps Extended 10°120
20° - 40° Flap90

Preflight Check

Weather / NOTAM
AIRWOLLE - CCC
Defects / Airtime

Preflight

Walk Around..... Complete(rudders/prop/etc)
Flaps Extend
Fuel 80gal total..... Check quantity- Secure Caps
37.5 gal/side Usable(75)..... 13 gal/hr
Sump fuel..... Grade/Water/Sediment
Oil- 8-10QTS 8min/10max
Floats Pump
Control Lock Remove
Master On
Lights..... On/Check/Off
Master Off
Passenger Brief..... Complete

Before Start

Preflight Complete
Water Rudders Down
Fuel Selector Valve..... Both
Cowl Flaps Open
Mix Rich
Props Fine
Radios/Transponder..... Off
Circuit Breakers In
Avionics Master Off
Throttle In 1/8"
Carb Heat..... Cold
Primer 4-6 Strokes..... In and Locked

Start

Master On
Prop Area..... CLEAR!
Ignition Switch..... Start
Oil Pressure Check Rise into green
Taxi 900RPM
Radio/Electronics On
Transponder ALT

Run Up/Before Take Off

Control column Full aft
Nav Lights..... On
Runup area clear No obstructions - Into wind
Doors/belts/windows Secure
Flight Controls..... Free/Correct
Instrument check..... T.C. / A.I. / M.C.
Elevator Trim Take-Off
Instruments Set..... D.G. / A.I. / Alt
Engine Temperatures Starting to Rise
Throttle 1800 RPM
Engine Instruments..... Ts/Ps in the Green
Mixture Lean Check
Prop Cycle twice
Magnetos 150RPM Max Drop
Left/Both/Right/Both..... 50 RPM Difference
Suction in the green
Alternator Load Check
Carb Heat..... Hot - 100 RPM drop
Throttle Idle
Carb heat Cold
Throttle 800 RPM
Radios Set
Throttle Friction Lock..... Adjust
Review..... Departure/Emergency Procedures
TAKE OFF AS REQUIRED

Take-Off GUMPFS

Gas..... Both + sufficient
Under Carriage Water Rudders up
Mix Full Rich
Props Full Fine
Flaps/cowl flaps open..... 20°
Switches Circuits in, mags both, master on
Primer In + locked
Carb Heat..... Cold
Throttle Advance slowly to full power
Confirm Static RPM (over 2400)
Ts/Ps in the Green
Climb power..... 23", 2400 rpm
Confirm 70 kts/ Positive rate of climb
Flaps Retract in stages

Cruise Checks

Throttle 21" MP
Props 2200 RPM
Confirm throttle 22"MP
Trim Adjust
Mixture Lean 50° rich of peak
Carb Heat..... Check
Radio Call As Required

Pre-Landing OWLS GUMPFS

Gas..... Both and sufficient
Under Carriage water rudders up
Mix Full Rich
Props/flaps..... To come
Switches Circuits in, mags both, master on
Primer In + locked
Engine Instruments..... Ts/Ps in the Green
Passenger Brief..... Belts/Doors/Windows
Radio Call As Required
Carb Heat..... On
Throttle Reduce in stages
Flaps as required

Balked Landing

Power..... Full Throttle
Carb Heat Off
Flaps Retract to 20°
Build Airspeed 70 kts
Confirm 2400 rpm/Ts+Ps in the Green
Climb Power..... 23"mp/2400rpm
Confirm 70 kts/Positive rate of climb
Retract Flaps..... Slowly/maintain pitch

After Landing

Touch Down Slightly tail low
Throttle Idle
Carb Heat..... Cold
Flaps Retract
Control Wheel full AFT as plane decelerates
Throttle <1000 RPM
Water Rudders Down gently