

BEFORE START

Seatbelts	Check
Passenger briefing	Complete
Fuel selector	Fullest
Circuit breakers	All In
Brakes	Set / Hold

ENGINE START

Mixture	Rich
Throttle	Cold 1/4"
	Hot 1/2"
Master switch	On
Alternator switch	On
Fuel pump	On
Primer	Cold <5s
	Warm 2s
Area clear	Clear Prop
Starter	Engage
Throttle	800 to 1000 RPM
Oil pressure	Check
Fuel pump	Off
Mixture	Lean

BEFORE TAXI

Avionics switch	On
Transponder	1200
	Or as assigned
Radios	Ground / Tower
	ATIS / Guard
ATIS	Check
Flight instruments	Check
Navigation	Flight Plan
Lights	As Required

TAXI

Parking brake	Release
Brakes	Check
Flight instruments	Check

ENGINE RUNUP

Brakes	Hold
Oil Temperature	Green
Fuel selector	Other tank
Mixture <small>below 5000'</small>	Rich
Throttle	2000 RPM
Magnetos	Max 175
	Difference 50
Vacuum	4.8" to 5.2"
Engine instruments	Green
Annunciator	Test
Load meter	Check
Carb heat	75 RPM Drop
	No Rise
Throttle	Idle
	>500RPM
Carb heat	Off
Throttle	1000 RPM
Flight controls	Check

BEFORE TAKEOFF

Fuel pump	On
Pitot heat	As Required
Flight instruments	Check
Trims	Normal
Flaps	Short 25*
	Normal 0*
Seats & seatbelts	Check
Door	2x Latches
Windows	Closed
Lights	As Required
Takeoff briefing	Complete
Mixture	Rich
Radio	Tower / CTAF

TAKEOFF

Mixture <small>below 5000'</small>	Rich
Throttle	Full
	Static RPM Check 2330-2430 RPM
Engine instruments	Green
Airspeed	Alive
Rotate	55kn IAS

CLIMB

Flaps	Retract
Climbout	87kn IAS 500' /min asc
Fuel pump	Off Check Pressure
Engine instruments	Green

CRUISE

Power	As Required
Mixture	Lean as Required

TANK SWITCH

Fuel pump	On
Fuel selector	As Required
Fuel pressure	Check
Fuel pump	Off
Fuel pressure	Check

DESCENT

Power	As Required
Mixture	As Required
Carb heat	As Required
Seats & seatbelts	Check

APPROACH & LANDING

Downwind	90kn IAS
Fuel pump	On
Fuel selector	Fulllest
Mixture <small>below 5000'</small>	Rich
Carb heat	<small>SHORT FINAL</small> Off
Flaps	As Required
Landing 0*	70kn IAS
Landing 40*	63kn IAS

AFTER LANDING

Radio	Ground / CTAF
Throttle	1000 RPM
Lights	As Required
Flaps	Retract
Fuel pump	Off
Mixture	Lean
Pitot heat	Off
Transponder	1200 Or as assigned

SHUTDOWN

Call for fuel	As Required
Avionics switch	Off
Throttle	Idle
Mixture	Cutoff

ENGINE STOP

Magnetos	Off
	Key Out
Electrical switches	Off
Master switch	Off
Hobbs & Tach	Record

SECURE AIRCRAFT

Flight controls	Secure
Tie downs	Secure
Tail lock	Installed
Cover	On