

PREFLIGHT

Aircraft documents	checked
Master switch	check off
Magnetos	check off
All Avionics	check off
All Electric	check off
Flight controls	check free
Foreign object	check
Main bolts	check
Master switch	on
Electric fuel pump	check operative (on+off)
Fuel indication	check quantity
External lights	check (outside)
All electric	off
Master switch	off

Chocks + tie down	check removed
Nose gear	check
Cowling	check
Engine oil + coolant level	check
Air intakes	check unobstructed
Propeller + spinner	check
Stall warning	check
Pitot static probe	check visual
Fuel sump	drain
Left main gear	check
Left wing + aileron + flap	check
Tail section	check
Elevator + rudder	check
Right wing + aileron + flap	check
Right main gear	check

BEFORE STARTING ENGINE

Pedals	adjust
Fuel valve	check on
Seat belts	fasten
Circuit breakers	check in
Canopy	close left + right

STARTING ENGINE

Propeller control	check full RPM	
Carburator heat	check off	
Avionics	check off	
Master switch	on	
Warning lights (fuel/battery)	check on	
ACL	on	
Fuel pump	on (fuel press warning light check off) then off	
Throttle	cold engine warm engine	closed 2 cm open
Choke	cold engine warm engine	full on off
Magnetos	both on	
Propeller area	check clear	
Starter	engage	
Throttle	1000 RPM	
Oil pressure	check green arc	
Choke	check off	
Fuel pump	check off	
All warning lights	check off	

BEFORE TAXI

Fuel indication	check quantity
Directional gyro	set heading
Horizon	set
Avionics/Electric	on + set for departure
Elevator trim	set neutral
Flaps	full travel to check then T/O position
Altimeter	set QNH

TAXI

Brakes	check
Flight instruments	check

BEFORE TAKE OFF

Throttle control	1900 RPM
Engine instruments	check green arc
Propeller control	3x exercise
Magnetos	max. 150/50 RPM
Carburator heat	check RPM drop
Ammeter	check (flaps or landing light)
Throttle control	1000 RPM
Flaps	check T/O position
Flight controls	check free
Canopy	check latched L + R
Seat belts	tighten
Fuel pump	on
Departure briefing	completed
T/O briefing	completed

LINE UP / TAKE OFF

Landing light	on / as required
Transponder	set ALT
Runway	identify
Time	check

Throttle full open	check RPM + MP
51 / 65 KIAS	rotate / initial climb
Flaps	up (safe altitude)

CLIMB

Climb power	Throttle full open RPM reduce to green arc
Carburator heat	check off
Flaps	check UP position
Fuel pump	off
Landing light	off

CRUISE

Altimeter	set
Power	accord. power table

APPROACH

Altimeter	set QNH
Landing light	on / as required
Directional gyro	check / set heading
Fuel pump	on
Carburator heat	as required
Elevator trim	set as required
Seat belts	tighten
Approach briefing	completed

FINAL APPROACH

Carburator heat	check on
Throttle	set/check MP
Flaps below 81 KIAS	T/O / LDG as required
Propeller control	full RPM

AFTER LANDING CHECK

Carburator heat	off
Time	check
Transponder	standby
Flaps	retract
Fuel pump	off
Landing light	off / as required

PARKING CHECK

Avionics and Electric except ACL	off
Throttle	close
Magnetos	off
ACL	off
Master switch	off

SPEED	KIAS
Rotate Vr	51
Best angle Vx (flaps T/O)	58
Best rate Vy (flaps T/O)	65
Best rate Vy (flaps UP)	70
Flaps T/O	81
Flaps LDG Vfe	81
Manoeuvring Va	104
Final Approach (flaps LDG) min.	57