

PREFLIGHT

Medical, Biannual, IFR	- Current
Annual, Transponder, ELT	- Current
ARROW, VOR 30 day check	- Current
Parking brake	- Set
Mags	- Off
Elevator/Rudder trim	- Neutral
Flaps	- Check/ 10 deg
Flight controls	- Free
Mixture	- Cutoff
Throttle	- Idle
Avionics master	- Off
Electrical switches	- Off
Master switch	- On
Lights (beacon, nav, landing)	- Checked
Fuel quantity	- Checked
Master switch	- Off
Fuel sump	- Drain

RIGHT WING

Flaps/Aileron	- Checked
Wing tip, leading edge	- Checked
Fuel quantity/ Caps	- Check/Secure
Tie down	- Removed
Fuel sump(both tanks)	- Drained
Landing gear/brakes	- Checked

NOSE

Baggage door	- Secure
Cowling	- Secured
Prop/Nose wheel/Alt belt	- Checked
Propeller	- Checked
Nose gear/tire	- Checked
Oil quantity (9-12 qts)	- Checked

LEFT WING

Pitot-static/drain	- Checked
Tie down	- Removed
Fuel sump (both tanks)	- Drained
Landing gear/brakes	- Checked

Fuel quantity/ Caps	- Check/Secure
Stall warning tab	- Checked
Leading edge, wing tip	- Checked
Flaps/Aileron	- Checked

EMPENNAGE

Rear cabin door	- Secured
Left/Right Stabilator Bolt	- Checked
Stabilator/Trim tab	- Checked
Tie down	- Removed

BEFORE ENGINE START

Seatbelts	- On
Brief passengers	- Complete
Organize cockpit (charts, etc)	- Complete
Altimeter/Trim/Radios	- Set
Fuel selector	- Fulllest tank
Circuit breakers	- In
Electric switches	- Off
Flaps	- Up

ENGINE START

Record Tach/Hobbs time	- Completed
Mixture	- Rich
Carb heat	- Off
Master switch	- On
Fuel pump	- On/Pressure
Prime/Throttle pump	- as required
Beacon (lights as needed)	- On
Brakes	- Set
Throttle	- 1/2" open
CLEAR PROP & engage starter	
After 1 revolution, Left Mag. After engine start, Mags to Both.	

Idle	- 1000 rpm
Oil pressure/temp & ammeter	- Checked
Electric Fuel pump	- Off
Transponder	- Set/standby
Avionics master	- On
DG & clock	- Set
Mixture	- Lean for taxi

Check brakes, DG, T&B, AI, compass during taxi.

RUN UP

Brakes	- Set
Flight controls	- Free & correct
Throttle	- 2000 rpm
Mags (175/50)	- Checked
Propeller	- Cycle 3 times.
Carb heat	- Checked
Engine instruments	- Checked
Suction	- Normal (4.6-5.4)
Throttle	- 1000 rpm

BEFORE TAKEOFF

Verify fuel on fullest tank (don't change after runup)	
Trim	- Set
Flaps	- As required
Mixture	- Rich
Carb heat	- Off
Altimeter	- Set
DG	- Set
Transponder	- Alt
Radios/Navigation	- Set
Electric Fuel pump	- On
Door	- Locked
Window	- Closed
Record	- Takeoff time

TAKE OFF

Vr	60 - 65 knts
Vx	82 knts
Vy	91 knts

Enroute climb 100 knts

Flaps - Up

Climb power - 25 sqared.

Electric Fuel pump - Off

CRUISE

Throttle/Prop - Set
Mixture - As needed

BEFORE LANDING

Pattern - 17° / 2300rpm
Altimeter - Set
Mixture - As required
Fuel pump - On
Fuel selector - Fulllest tank
Seat belts - On
Landing Lights / strobes - As required

CLEAR OF RUNWAY

Flaps - Up
Trim - Neutral
Fuel pump - Off
Transponder - Standby
Carb heat - Off
Landing lights - As required
Mixture - Lean for taxi

ENGINE SHUTDOWN

Throttle - 1000rpm
Avionics master - Off
Mag ground check - occasionally
Electric switches - Off
Mixture - Cutoff
Mags - Off
Master switch - Off
Record Tach/Hobbs time - Completed

Thank God for a safe flight.

CLOSE FLIGHT PLAN!