

Quick Reference Checklist

Exterior Inspection

Remove control locks
Magnetos OFF
Battery/Generator switch on
hydraulic pump switch on
hydraulic psi 900-1200
flaps down
fuel guage
Battery/Generator switch off
stick fuel (confirm guage reading)
drain (2) fuel sumps (after fueling)
oil (6 qt minimum)
hydraulic fluid (between holes)
Nose gear (30psi) & strut (8-10 inches)
Right wing, gear (30 psi) ,strut (3-4 inches)
Propeller/Engine cowl
Empennage
Left wing, gear (30psi), strut (3-4 inches)
Static & pitot tube
Hull drain plugs (7)
Weight & Balance

Before Start

Seats adjusted
Seat belts fastened
Park brakes on
Main fuel valve on
Propeller high RPM
Battery/Generator switch on
Hydraulic pump switch on
rotating beacon on

Cold Start

Throttle - open 1/2 inch
mixture - rich
fuel pump on 5-10 seconds
mixture - idle cut off
engage starter (max 20sec on 1 min off)
when engine fires - mixture rich
check oil psi, ammeter, hyd psi

Hot Start

Throttle - open 1/2 inch
Mixture - idle cut off
Starter engage
When engine fires-
Mixture rich

Flooded Start

Throttle - full open
Mixture - idle cut off
Starter engage
When engine fires-
Mixture slowly rich
Throttle - retard

Before Takeoff

Brakes set
Doors latched
Flight controls checked
Throttle - 1800 RPM
Magneto check
Cycle propeller
Check vacuum guage
Check ammeter guage
Throttle - idle
Flight instruments - set
Radios - set
Water rudder - up
Trim - takeoff range
Flaps - down (white light)
Mixture - rich
Propeller - high RPM
Engine gauges-check
Fuel Pump - on

Takeoff

Full Throttle/High RPM
Backpressure at 40 (off 55-60)
Positive Climb gear up ASAP
Climb at 65 to 500 AGL
Climb power 25"/2500rpm
Flaps up 75-80
Fuel Pump-OFF
Climb at 85

Cruise

24"/2400 RPM
Lean peak EGT + 100

Landing

Gasoline - main valve on
Undercarriage (gear)
Land - down & Blue
Water – up & Red
Mixture rich Propeller high RPM
Switches (4) batt/gen/hyd/fuel pump - on
Water rudder – up
Trim set
Approach speed
Water – 65 <500fpm
Land - 70 <500fpm

Shutdown

Fuel pump off
Radios/lights off
Heater off
Mixture idle cut-off
Key off & remove
Battery off
Intercom Off
Tie down/chocks
Drain hull/sponsons

HYD Fail or Batt SW OFF

hyd psi holds gear up/ckd
Hyd fail may leave 350 psi
Pump Gear Down
1. gear/flap levers neutral
2. man pump 700-900psi
3. gear lever down (blu lgt)
repeat as necessary
repeat for flaps

**Don't Pump manually
Unless gear/flap levers
are neutral**