

**PRE-FLIGHT INSPECTION**

- 01. Documents & Equipment CK/ON BOARD
- 02. Fuel Q.ty.....CK
- 03. Ignition.....OFF/KEYS OUT
- 04. Avionics Power Switch.....OFF
- 05. Master Switch.....OFF
- 06. External inspection..... PERFORM
- 07. Ballast Boxes.....NOSE CK

**BEFORE START ENGINE**

- 01. Pre-flight Inspection.....COMPLETE
- 02. Pax Briefing.....COMPLETE
- 03. Seats, Belts, Shoulder Harnesses....ADJ
- 04. Brakes..... TEST/SET
- 05. Circuit Breakers.....IN
- 06. Landing Gear Handle....**DOWN (Land)**  
**UP (Water)**
- 07. Fuel Shout Off.....ON
- 01. Reverse Switch.....OFF/GUARDED
- 08. Electrical Equipment.....OFF
- 09. Autopilot .....OFF

**STARTING ENGINE**

- 01. Master Switch.....ON
- 02. Lights.....AS REQUIRED
- 03. Throttle.....OPEN 1/8 TRAVEL
- 04. Propeller Governor.....MAX RPM
- 05. Mixture.....MOVE to FULL RICH
- 06. Fuel Pump.....ON 3 to 5 Sec THEN OFF
- 07. Mixture..... IDLE CUTOFF
- 08. Propeller Area.....CLEAR
- 09. Starter Switch.....ENGAGE
- 10. Mixture.... GRADUALLY FULL RICH
- 11. Throttle..... 1000 to 1200 RPM
- 12. Oil Press. Gauge.....MINIMUM in 30 s
- 13. Hydraulic Pump.....ON/CK PRESS
- 14. Throttle..... 800 RPM or LESS
- 15. Reverse ..... CYCLE ON then OFF

**FLOODED START**

Clear by operating starter for 5 sec. with Mixture at Idle Cut-off, Throttle open, then use normal starting procedure

**HOT START**

- 01. Master Switch.....ON
  - 02. Lights.....AS REQUIRED
  - 03. Throttle.....OPEN 1/8 TRAVEL
  - 04. Propeller Governor.....MAX RPM
  - 05. Mixture..... IDLE CUT OFF
  - 06. Fuel Pump.....ON
  - 07. Propeller area.....CLEAR
  - 08. Starter Switch.....ENGAGE
- As engine fires, move MIXTURE to FULL RICH then continue as for normal start

**WATER TAXIING/TAXIING**

- 01. Hydraulic Pump..... ON
- 02. Brakes..... TEST
- 03. Fuel Flow..... CK & RESET
- 04. Strobe Lights..... ON
- 05. Navigation Lights..... ON
- 06. Hydraulic Pressure.....GREEN ARC
- 07. Flight Controls....CK FREE & CORRECT
- 08. Landing Gear .....**DOWN (Land)**  
**UP (Water)**
- 09. Water Rudder.....As required
- 10. Avionics/Flight Instruments..... CK/SET
- 11. Autopilot..... ON /TEST

**ENGINE RUN-UP**

- 01. Parking Brake..... SET
- 02. Mixture..... RICH
- 03. Throttle..... 1800 RPM
- 04. Magneto.....CK MAX DROP 175 RPM  
max diff. 50 RPM
- 05. Throttle..... 1700 RPM
- 06. Propeller Governor... CYCLE (500 RPM)
- 07. Low Voltage Light..... CK OFF
- 08. Suction Gage..... 4,5 to 6,5 NORMAL
- 09. Throttle.....1000 RPM
- 10. Engine Instrument.....CK IDLE

**REVERSE SYSTEM CHK**

- 01. Throttle.....1400 RPM
- 02. Reverse Switch...ON/YELLOW light ON
- 03. Reverse Switch.....OFF/Light OUT
- 04. Throttle..... 1800 RPM
- 05. Reverse Switch..... ON
- 06. RPM..... CK/100 RPM INCREASE  
NO RESERSE
- 07. Reverse Switch..... OFF/GUARD

**BEFORE TAKE OFF**

- 01. Autopilot .....OFF
- 02. Flight Control .....CK FREE
- 03. Belts & Harnesses .....FASTEN
- 04. Magnetos .....BOTH
- 05. Master ..... ON
- 06. Fuel Pump .....ON
- 07. Hydraulic Pump .....ON
- 08. Lights .....AS REQUIRED
- 09. Hydraulic Pressure .... CK GREEN ARC
- 10. Landing Gear .....**DOWN (Land)**  
**UP (Water)**
- 11. Wing Flaps.....DOWN
- 12. Trim .....SET GREEN ARC
- 13. Fuel Shut-off Valve.....ON
- 14. Reverse Switch ..... OFF/GUARDED
- 15. Propeller .....MAX RPM
- 16. Mixture .....RICH
- 17. Cabin Doors .....CLOSED & LATCHED
- 18. Water Rudder .....UP
- 19. Take off area.....CLEAR

**AFTER TAKE OFF**

- 01. Wing Flap.....UP
- 02. Climb Power.....SET
- 03. Fuel Pump..... OFF ABOVE 1000 AGL
- 04. Landing Lights.....AS REQ

**DESCENT**

- 01. Power.....AVOID PROLONGED IDLE SETTINGS, AND LOW CYL HEAD TEMP
- 02. Mixture...ENRICH TO MAINTAIN SMOOTH OPERATIONS

**BEFORE LANDING**

- 01. Autopilot..... OFF
- 02. Belts & Harnesses ..... FASTENED
- 03. Fuel Pump....ON BELOW 1000Ft AGL
- 04. Landing Gear.....**DOWN (Land)**  
**UP (Water)**
- 05. Flaps.....DOWN (below 107Kias)
- 06. Hydraulic Pressure....CK GREEN ARC
- 07. Mixture .....FULL RICH
- 08. Propeller .....MAXIMUM RPM
- 20. Reverse Switch ..... OFF/GUARDED
- 09. Parking Brake .....OFF
- 10. Water Rudder .....CK/UP
- 11. Lights .....AS REQUIRED
- 12. Engine Instrument .....CK GREEN
- 13. Landing area..... CLEAR

**AFTER LANDING**

- 01. Flaps.....Up
- 02. Trim..... NEUTRAL
- 03. Fuel Pump .....OFF
- 04. Lights .....AS REQ

**SECURING AIRPLANE (Land)**

- 01. Parking Brake ..... SET
- 02. Electrical Equipment ..... OFF
- 03. Throttle ..... 1000RPM
- 04. Reverse Switch ..... ON
- 05. Mixture ..... IDLE CUT OFF
- 06. Reverse Switch ..... OFF/GUARDED
- 07. Ignition ..... OFF/KEYS OUT
- 08. Master Switch ..... OFF
- 09. Control Locks ..... INSTALL
- 10. Chocks and Tie Downs ..... SECURED
- 11. Parking Brakes ..... OFF

**SECURING AIRPLANE (Water)**

It is not advisable to moor the airplane unattended for any extended period. The landing gear should be lowered in the water, and the airplane beached if possible. If airplane must be secured afloat, care should be taken to avoid possible damage from contact with nearby objects.

**LIMITATIONS**

Engine Type	Lycoming IO-360-A1B6
Engine Oil	8 quarts
Max Oil Temp	245°F
Normal Oil Press	55-95 psi
Max CHT for continuous ops	400 °F
Max RPM	2700 (200hp)
Max TOW	2600 lbs.
Fuel Press normal ops	14-35 psi
Normal Hyd Press	900-1250 psi

**SPEEDS**

Vx Flaps DOWN.....	52 KIAS
Vy.....	74 KIAS
Vapp (flaps DOWN).....	65 KIAS
Vbest Glide s.l (flaps DOWN).....	65 KIAS
Vbest Glide s.l (flaps UP).....	74 KIAS
Vlo – Vle - Vfe.....	109 KIAS
Va.....	105 KIAS