

NORMAL CHECKLIST

PRE-FLIGHT

CABIN

DocumentsAROW
 Control Lock Remove
 Ignition SwitchOFF
 Master Switch ON
 Fuel Quantity ... Check level
 Flaps.....Down
 Master SwitchOFF

EMPENNAGE

Control Surfaces.....Check
 Tail Tie Down Disconnect

Right Wing

Flap.....Check
 Aileron Check free
 Wing Tie-down.....
 Disconnect

Main wheel tireCheck
 Fuel Sump Drain/Check
 Fuel Qty Check Visually

Nose

Oil Check level
 Fuel StrainerPull & test
 Prop & SpinnerCheck
 Air Inlets.....Check
 Carb Air Filter.....Check
 Nose Wheel.....Check
 Static SourceCheck

Left Wing

Fuel Qty Check Visually
 Pitot Tube Check
 Stall WarningCheck
 Wing Tiedown... Disconnect
 Aileron Check free
 Flap.....Check
 Main wheel tireCheck
 Fuel Sump Drain/Check

BEFORE ENGINE START

Preflight inspection ... Done
 Seats & Belts Adjust/lock
 Electrical Switches.....OFF
 Avionics MasterOFF
 Breakers Check/IN
 Fuel Shutoff Valve ON

STARTING ENGINE

Prime 1-3 times
 Carb Heat OFF/Cold
 Throttle Open ½ “
 Mixture.....Rich
 Propeller Area Clear
 Master Switch ON
 Beacon ON
 Ignition Start
 Throttle 1000 RPM
 Oil Pressure.....Check
 Mixture 1” Lean
 Flaps.....UP
 Transponder Stand By
 Avionics Master ON
 ATIS Obtain Info
 Radio Call

RHV FREQUENCIES

ATIS 125.2
 Ground..... 121.65
 Tower 119.8

Nice Air UNICOM... 122.775

BEFORE TAKEOFF

Seats & Belts Adjust/lock
 Doors & WindowsClosed
 Flight Controls Correct
 Flight InstrumentsCheck
 Primer In & locked
 Fuel QuantityCheck
 Fuel Shutoff Valve ON
 Mixture.....Rich below 3000’
 Trim set for takeoff
 Throttle 1700 RPM
 Magnetos.....Check
 <125 Max Drop
 <50 Max Difference
 Carb Heat RPM Drop
 Suction Gauge.....Check
 Engine Gauges..... in Green
 Ammeter Check
 Throttle 1000 RPM
 Radios Set
 Flaps..... Set for takeoff
 TransponderALT
 Lights As Needed

TAKEOFF

Flaps 0-10°
 Carb Heat OFF/Cold
 Mixture Rich
 TransponderALT
 Code Set
 Throttle Full Open
 Rotate 50
 Climb Vy 67

CRUISE

Power Set
 Trim Set
 Mixture....As recommended
 EGN temp.....Monitor
 HDG..... Set to MC

V-SPEEDS (KIAS)

Vx 55
 Vy 67
 Vr 50
 Vfe 85
 Vne 149
 Best Glide 60
 Approach 60-70
 Va (max gross) 104
 (1500 lbs)..... 98
 (1350 lbs)..... 93

BEFORE LANDING

Seats & Belts Adjust/lock
 Fuel Shutoff valve..... ON
 Carb Heat ON
 Mixture Rich
 Landing LightAs needed

LANDING

Airspeed 60-70 KIAS
 Flaps As required

AFTER LANDING

Landing Light.....OFF
 Carb Heat OFF/Cold
 Mixture..... 1” Lean
 Flaps.....UP
 Transponder Standby
 Trim Set for T/O

SHUTDOWN

Electrical Equipment...OFF
 Avionics MasterOFF
 Mixture Idle Cutoff
 IgnitionOFF
 Master SwitchOFF

SECURING

Control Lock Install
 Wheel chocks SET
 Wing tie downs Connect
 Tail Tie Down Connect
 Propeller Inspect
 Wheels/Brakes Inspect
 Visual Inspection Done
 Tach/HOBBS Record
 Squawks Note if any
 Tow bar stow
 Trash Remove all

EMERGENCY CHECKLIST

ENGINE FAILURE DURING TAKEOFF ROLL

Throttle Idle
Brakes Apply
Wing Flaps Retract
Mixture Idle cut-off
Ignition Switch OFF

ENGINE FAILURE AFTER TAKEOFF

Airspeed 60 KIAS
Mixture Idle Cutoff
Fuel Shutoff valve OFF
Ignition switch OFF
Wing flaps As required
Master Switch OFF

ENGINE FAILURE DURING FLIGHT

RESTART PROCEDURE

Airspeed 60 KIAS
Carb Heat ON
Primer In & Locked
Fuel Shutoff Valve ON
Mixture Rich
Ignition Check on Both
..... Or start if prop stopped

FORCED LANDING WITHOUT POWER

Seats/Belts Secure
Airspeed 60 KIAS
Mixture Idle cutoff
Fuel Shutoff valve OFF
Ignition switch OFF
Wing flaps As required
Master switch OFF
Doors Unlatch prior to landing
Touchdown slightly tail low
Brakes Apply heavily

LOW VOLTAGE LIGHT ILLUMINATES

Radios OFF
Master Switch OFF(both sides)
Master Switch ON
Low Voltage light Check OFF
If light is still on TERMINATE FLIGHT

FIRE ON GROUND

During start on ground continue cranking
If engine starts Power 1700 for 2 minutes
Engine Shutdown

If engine fails to start

Throttle Full Open
Mixture Idle Cutoff
Cranking Continue
Fire extinguisher Use

Secure engine

Master Switch OFF
Ignition OFF
Fuel Shutoff valve OFF
Fire extinguisher USE

ENGINE FIRE IN FLIGHT

Mixture Idle Cut OFF
Fuel Shutoff Valve OFF
Master Switch OFF
Cabin Vents & Heat (except wing vents) Closed
Airspeed 85 KIAS
Forced Landing Execute

CABIN FIRE

Master Switch OFF
Vents/Cabin/Heat Closed
Fire extinguisher Activate

ELECTRICAL FIRE IN FLIGHT

Master OFF
Vents/Cabin Air/Heat Closed
All switches except ignition OFF
Master each component ON one at a time

WING FIRE

Navigation Light Switch OFF
Pitot Heat OFF
Perform side slip to keep flames away from cabin

ELECTRICAL POWER SUPPLY MALFUNCTIONS

Ammeter shows excessive rate of charge

Alternator OFF
Non-essential electrical equipment OFF
Flight Terminate