

Preflight

Preflight Inside Cockpit	
Maintenance Status Sheet	Check
Squawk Sheets	Check
VOR Checks (IFR Only)	Within 30 days
Required Docs. (AROW)	On Board
Weight and CG	Within Limits
Control Lock	Remove
Magneto Switch	Off
Master Switch	On
Fuel Gauges	Check Quantity
Anti-Collision Light	Check
Master Switch	Off
Flaps	Extend
Fuel Strainer	Remove
Preflight Exterior	
Right Flap and Aileron	Check
Wing Tip	Check
Fuel Quantity	Visually Check
Fuel Vent	Check Clear
Fuel Drain	Drain & Check
Tie-Down & Chocks	Remove
Main Gear Strut	Assure Extended
Main Gear Tire	Check Condition
Brakes	Check Wear
Wing Root Air Inlet	Check Open
Windshield	Assure Clean
Oil Quantity	Min 6/Max 8
Engine Compartment	Inspect
Propeller & Spinner	Check
Alternator Belt	Check
Air Inlets	Check Open
Nose Wheel Chock	Remove
Nose Gear Strut	Assure Extended
Nose Tire	Check Condition
Brake Reservoir	Check Level
Fuel Sump	Drain & Check
Wing Root Air Inlet	Check Open
Fuel Quantity	Visually Check
Fuel Vent	Check Open
Fuel Drain	Drain & Check
Tie-Down & Chocks	Remove

Preflight continued

Preflight Exterior	
Main Gear Strut	Assure Extended
Main Gear Tire	Check Condition
Brakes	Check
Stall Warning Switch	Check
Pitot Head	Check 3 Openings
Wing Tip	Check
Left Aileron and Flap	Check
Left Side Fuselage	Check
Antennas	Check
Stabilizer & Trim Tab	Check
Vertical Stabilizer & Rudder	Check
Tail Tie-Down	Remove
Right Side Fuselage	Check
For all Night Flights	Check Navigation Light Landing Lights Cockpit Lights Flashlight on Board

Engine Start

Engine Start	
Maintenance Status Sheet	Check
Squawk Sheets	Check
Hobbs Sheet	Record Information
Seats	Adjust and Lock
Seats Belts & Shoulder Harness	Fasten
Circuit Breakers	Check In
Master Switch	On
Anti-Collision Light	Always Remains On
Carburetor Heat	Off
Mixture	Full Rich
Electric Fuel Pump	On & Check Pressure
If Engine Temp <50°F	Prime
Throttle	Pump & Set ¼" Open
Brakes	Hold
Propeller Area	Call Clear
Starter	Engage
Throttle	1,000 RPM
Oil Pressure	Check
Electric Fuel Pump	Off & Check Pressure
Radios	On
Transponder	Standby

Before Takeoff

Before Takeoff Checklist (Run-Up)	
Fuel Selector	On Fullest Tank
Brakes	Hold
Throttle	2000 RPM
Magnetos	Check Left & Right Max Drop 175 RPM Max Diff. 50 RPM
Carburetor Heat	Max Drop 200 RPM
Engine Gauges	Check
Ammeter	Indicating Charge
Suction Check	5.0" +/- 0.1" Hg
Throttle	1000 RPM
Flight Instruments	Adjust
Avionics	Set
Flight Controls	Check
Electric Fuel Pump	On
Mixture	Set
Flaps	Set as Required
Trim	Set for Take-Off
Doors & Windows	Latched
Seat Backs	Erect
Safety Belts & Shoulder Harness	Fastened
Empty Seats	Seat Belt Fastened
Transponder	Altitude

Pre- & After Landing – Engine Shutdown

Pre-Landing Checklist

Fuel Selector	On Fullest Tank
Electric Fuel Pump	On
Seat Backs	Erect
Seat Belts & Shoulder Harness	Fastened
Flaps	As Needed < 115 MPH
Mixture	Rich
Carburetor Heat	As Required

After-Landing Checklist

Flaps	Retract
Electric Fuel Pump	Off
Transponder	Standby

Engine Shutdown Checklist

Avionics	Off
Electrical Equipment	Off (Except Strobe & Master)
Throttle	1000 RPM
Mixture	Idle Cutoff
Master	Off
Magneto Switch	Off
Hobbs Sheet	Record Information
Pilot Call Window	Latched
Front Seats	Slide Full Aft
Flight Controls	Secure

Emergency Checklist

Emergency Checklist ENGINE FAILURE

Airspeed	Trim for 85 MPH
Landing Site	Choose
Fuel Selector	Switch Tanks
Electric Fuel Pump	On
Mixture	Rich
Carburetor Heat	On
Primer	In and Locked
Engine Gages	Check for cause

IF TIME PERMITS

Magnetos (Check)	Left/Right/Both
Throttle/Mixture	Different settings

Emergency Checklist POWER OFF LANDING

Transponder	Squawk 7700
Transmit Distress Signal	121.5 MHz
Ignition	Off
Master Switch	Off
Magnetos	Off
Fuel Selector	Off
Seat Belts	Tight
Door	Unlatch

Emergency Checklist ELECTRICAL FIRE

Master Switch	Off
Vents	Open
Cabin Heat	Off
Land as soon as possible	

Emergency Checklist ENGINE FIRE

Fuel Selector	Off
Throttle	Closed
Mixture	Idle Cut-off
Heater	Off
Defroster	Off
Land immediately	