

# Preflight

<b>Preflight Inside Cockpit</b>	
Maint. Status Sheet	Check
Squawk Sheets	Check
VOR Checks (IFR Only)	Within 30 days
Required Docs. (AROW)	On Board
Weight and CG	Within Limits
Avionics & Electrical Switches	Off
Magneto Switch	Off
Master Switch	On
Fuel Gauges	Check Quantity
Green Gear Down Indicator	Check On
Anti-Collision Light	Check
Master Switch	Off
Flaps	Extend
Fuel Tube & Strainer	Remove
<b>Preflight Exterior</b>	
Right Flap & Aileron	Check
Wing Tip	Check
Fuel Quantity	Visually Check
Fuel Vent	Check Clear
Fuel Drain	Drain & Check
Tie-Down & Chocks	Remove
Gear Truss & Door	Check Condition
Main Tire	Check Condition
Brakes	Check Wear

## Preflight continued

<b>Preflight Exterior</b>	
Windshield	Assure Clean
Oil Quantity	Min 6/Max 8
Propeller & Spinner	Check
Alternator Belt	Check
Air Inlets	Check Open
Nose Wheel Chock	Remove
Nose Gear Truss & Doors	Check Condition
Nose Tire	Check Condition
Fuel Selector	Drain & Check
Fuel Vent	Check Open
Fuel Drain	Drain & Check
Tie-Down & Chocks	Remove
Main Gear Truss & Door	Check Condition
Main Tire	Check Condition
Brakes	Check
Stall Warning Switch	Check
Pitot Head	Check 2 Openings
Wing Tip	Check
Left Aileron and Flap	Check
Left Side Fuselage	Check
Left Side Static Port	Check
Antennas	Check
Horizontal Stabilizer & Elevator	Check
Vertical Stabilizer & Rudder	Check
Tail Tie-Down	Remove
Right Side Fuselage	Check
Right Side Static Port	Check Open
Baggage Door	Secure
For all Night Flights	Check Navigation Light Landing Lights Cockpit Lights Flashlight on Board

## Engine Start

Engine Start	
Maintenance Status Sheets	Check
Squawk Sheets	Check
Hobbs Sheet	Record Information
Seats	Adjust & Lock
Seats Belts	Fasten
Circuit Breakers	Check In
Fuel Selector	Fullest Tank
Master Switch	On
Gear Lever	Up/Locked
Gear Down Light	On
Anti-Collision Light	Always Remains On
Carburetor Heat	Off
Mixture	Full Rich
Propeller	Max RPM
Fuel Pump	On & Check Pressure
Throttle	Pump & Set ¼" Open
Brakes	Hold
Propeller Area	Call Clear
Starter	Engage
Throttle	1000 RPM
Oil Pressure	Check
Cowl Flaps	Open
Avionics Switch	On
Radios	On
Transponder	Standby

## Before Takeoff

Before Takeoff Checklist	
Fuel Selector	On Fullest Tank
Brakes	Set & Hold
Throttle	1,700 RPM
Magnetos	Check Left & Right Max Drop 125 RPM Max Diff. 50 RPM
Carburetor Heat	Max Drop 200 RPM
Throttle	2,200 RPM
Propeller	Cycle
Engine Gauges	Check
Fuel Quantity & Press	Check
Suction Check	5.0" +/- 0.1" Hg
Speed Brakes	On/Check/Off
Throttle	1,000 RPM
Flight Instruments	Adjust
Avionics	Set
Flight Controls	Check
Electric Fuel Pump	On
Mixture	Set
Flaps	Set to 15 °
Trim	Set for Take-Off
Doors & Windows	Latched
Seat Backs	Erect
Safety Belts/Harness	Fastened
Empty Seats	Seat Belt Fastened
Transponder	Altitude

## Pre Landing/After Landing/Engine Shutdown

### Pre-Landing Checklist

Fuel Selector	On Fullest Tank
Electric Fuel Pump	On
Landing Gear	Extend Below 120 MPH
Gear Down Light	Check Illuminated
Flaps	As Needed Below 100 MPH
Mixture	Rich
Propeller	Max RPM
Cowl Flaps	Closed
Carburetor Heat	As Required

### After-Landing Checklist

Flaps	Retract
Electric Fuel Pump	Off
Transponder	Standby
Cowl Flaps	Open

### Engine Shutdown Checklist

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

## Emergency Checklist

### Emergency Checklist ENGINE FAILURE

Airspeed	Trim for 105 MPH
Landing Site	Choose
Fuel Selector	Switch Tanks
Electric Fuel Pump	On
Mixture	Rich
Carburetor Heat	On
Engine Gages	Check for cause
Magnetos (Check)	Left/Right/Both
Throttle/Mixture	Different settings

### Emergency Checklist POWER OFF LANDING

Transponder	Squawk 7700
Transmit Distress Signal	121.5 MHz
Gear	Extend if appropriate
Flaps	Extend when landing assured
Mixture	Idle Cutoff
Master Switch	Off
Fuel Selector	Off
Magnetos	Off
Seat Belts	Tight
Door	Open