

Preflight Inspection

Cockpit

Parking Brake	Set
Hobbs/Tach	Check
Master Switch	On
Fuel Quantity	Check
Lights/Stall Warning	Check
Electrical Equipment	Off
Master Switch	Off
Flaps	Down/Up
Trim	Check
Acft Documents	On Board

Nose

Engine Condition	Check
Oil Quantity	Check
Propeller & Spinner	Check
Alternator Belt	Check
Air Inlets	Clear
Landing Light	Check
Nose Gear & Tire	Check
Engine Condition (L)	Check
Fuel Strainer	Sample

Left Wing

Flap Hinges	Check
Aileron	Check Hinges
Wingtip/Lights	Check
Leading Edge	Clean
Stall Warning Light	Check
Fuel Quantity	Check
Fuel Vent	Clear
Fuel Strainer	Sample
Pitot/Static Mast	Check
Landing Gear/Tire	Check
Air Inlet	Clear

Right Wing

Same as Left Wing (in reverse)
except no pitot / static mast and
stall warning light

Fuselage and Empenage

Antennas	Check
Air Inlet	Check
Stabilator & Trim	Check
Rudder	Check

Before Start

Parking Brake	Set
Seats/Seat Belts	Fastened
Circuit Breakers	Check
Mixture	Rich
Carburetor Heat	Cold/Off
Throttle	1/4" Open
Prime	As Required
Fuel Selector	Lowest Tank
Master Switch	On

Engine Start

Electric Fuel Pump	On
Magneto	Left
Prop Area	Clear!
Starter	Engage
Throttle	1000 -1200 RPM
Magnetos	Both
Oil Press.	:30/Warm :60/Cold
Engine Instruments	Check
Electric Fuel Pump	Off

After Start

Avionics	On
Lights As Required	On
Radios	Set
Transponder	Standby
Circuit Breakers	In
Mixture	Leaned for Taxi
Fuel Pump	Off
Parking Brake	Released

Before Run Up

Flight Controls	Set
Flight Instruments	Check
Radios	Set
Flaps	Check & Set
Trim	Set
Takeoff Briefing	Complete
Door & Window	Secured

Run Up

Brakes	Set
Fuel Pump	On
Fuel Selector	Opposite Tank
Mixture	As Required
Throttle	2000 RPM
Carb Heat	Check
Magnetos	Check
(max drop 175RPM / max diff. 50 RPM)	
Engine Gauges	In Limits
Vacuum	(4.5-5.2) Check
Ammeter	Check
Throttle	1000 RPM
Parking Brake	Released

Mixture	Set
Transponder	Altitude
Landing Light	On
Electric Fuel Pump	On
Clock	Noted

V-Speeds (MPH)

Vr	55-60	Va	129
Vx	74	Vfe	115
Vy	85	Vno	140
Climb	100	Vne	171
Vs1	63	Glide (gross)	83
Vso	54	Max dem XW	11

Approach F/UP	85
Approach F/DN	76

After Takeoff

1000 AGL Minimum	
Electric Fuel Pump	Off

Cruise

Pitch	Set
Throttle	As required
Trim	Set
Mixture	Adjust

Approach

Flight Instruments	Ckd & Set
Radios	Set / Chk ATIS
Carburetor Heat	As Required
Electric Fuel Pump	On
Mixture	Rich / As Required
Fuel Selector	Fullest Tank
Approach Briefing	Complete
Seat Belts	Fastened

After Landing

Flaps	Up
Mixture	Leaned
Transponder	Standby
Landing Light	Off
Electric Fuel Pump	Off

Parking

Avionics	Off
Electrical Equipment	Off
Throttle	900 RPM
Magnetos	Check Off/On
Throttle	1200 RPM
Mixture	Cut-Off
Master Switch	Off

Securing the Aircraft

Hobbs/Tach	Record
Flight Controls	Secure
Door & Window	Secure
Tie-Downs	Secure
MASTER SWITCH	CHECK OFF