



Condensed Checklist

BEFORE STARTING CHECK

Preflight	Complete
Discrepancies	Check
Required Equipment List	Check
Inspections	Check
Seats and belts	Check
Brakes	Test, set
Fuel selector valve	Left
Landing Gear	Down
Circuit breakers	Check
Avionics master	Off
Electrical equipment	Off

ENGINE START CHECK

(Read through, do by flow pattern)

Prop	FWD
Master switch	On
Beacon	On
Throttle ½"	Open

COLD START		WARM START	
Fuel pump	On	Fuel pump	On
Mixture Rich,	Fuel Flow	Mixture	Cut-off
Mixture	Cut-off	Starter	Engage*
Starter	Engage	Mixture	Rich
Mixture	Rich	Oil pressure	Check
Oil pressure	Check		

*If no start, refer to cold start procedure for priming.
*Warm up 1400 – 1500 RPM not more than 2 Minutes.

FLOODED START

Fuel pump	OFF
Throttle	Full open
Mixture	Cut-off
Ignition Switch	Start
Mixture	Adv during start

Before TAXI CHECK

DG	Set
Lights	As required
Alt/Inst/ Radio	Check/Set
Parking brake	Off
Brakes	Check

BEFORE TAKEOFF CHECK

Parking Brakes	On
Flight controls	Free, correct
Fuel selector valve	Fullest Tank
Elevator, Rudder trim	Set for takeoff
Mixture	Rich
Throttle	2100 RPM

Magnetos	Right, then left
Engine gauges	Check
Ammeter	Check
Suction gauge	Check
Prop	Cycle/Fwd

Throttle	1000 RPM
Flight instruments	Check and set
Fuel quantity	Check
Radios/Nav aids	Set
Lights/strobes	Set
Autopilot	Off
Transponder	Alt, Code set
Departure Plan	Complete
Doors/Windows	Closed/locked
Parking brake	Off

Fuel	Proper Tanks
Fuel Pump	On
Mixture	Rich
Flaps	As Req

CLIMB CHECK (> 1000' AGL)

Flaps	Up
Throttle/Prop	25 MP/2500 RPM
Fuel Pump	Off
Mixture	12gph

CRUISE CHECK

Power	Set
Mixture	Lean
Inst/Radios	Set

Engine Gauges Check

DESCENT CHECK

Fuel Selector	Proper Tank
Mixture	Adjust
Seats/Belts	Adjust
Lights	On
Alt/Inst/Radio	Set
Autopilot	Off

BEFORE LANDING

Fuel Pump	On
Landing Gear	Down/Verify
Mixture	Rich
Prop	Fwd (500 AGL)

AFTER LANDING CHECK

Wing flaps	Retract
Lights/strobes	As required

SECURING AIRPLANE CHECK

Radios	Off
Electrical equip	Off
Mixture	Idle cut-off
Magnetos	Off
Master switch	Off
Parking brake	Set
Control lock	Install
Hobbs meter	Note time
Tie-downs	Secure
Vents	Closed
Fuel Selector	Left or Right
Install	Pitot Cover
	Gust Lock

ENGINE FAILURE

Fuel Quantity	Check
Fuel selector	Switch Tanks
Mixture	Rich
Fuel pump	On
Ignition	Both
Alt Air	ON

FORCED LANDINGS

EMERGENCY LANDING WITHOUT ENGINE POWER

Airspeed	85 MPH 75 (Flaps)
Mixture	Idle cut-off
Fuel Selector Valve	Off

Ignition Switch	Off
Wing Flaps	As req
Master Switch	Off
Touchdown	Slightly tail low
Brakes	Apply heavily

LANDING GEAR FAILS TO EXTEND

Reduce Airspeed	below 100 MPH
Gear Lever	Down
Master Sw	ON
Panel Lts	OFF
CB	CK
Emergency Gear Lever <i>Fishtailing</i>)	Down (Requires
Gear Lights	On

FIRES

ENGINE FIRE DURING START ON GROUND

Starter	Crank	
Throttle	Full open	
Mixture	Idle cut-off	
Cranking	Continue 2-3 min	
Engine	Secure	
a. Master switch	Off	
b. Ignition switch	Off	
c. Fuel Shutoff Valve	Off	

ENGINE FIRE IN FLIGHT

Mixture	Idle cut-off
Fuel Selector Valve	Off
Fuel Pump	Off
Cabin Heat and Air	Off (ex. ovrhd vents)
Airspeed	115
	Not extinguished, increase glide speed
Forced Landing	Execute (as Emerg. Landing Without Engine Power.)

ELECTRICAL FIRE IN FLIGHT

Master Switch	Off
Vents/Cabin Air/Heat	OPEN
Fire Extinguisher	Activate
<i>If the fire appears out and electrical power is necessary for continuance of flight:</i>	
Master Switch	On
Circuit Breakers	Check for faulty circuit, do not reset.
Radio/Electrical Switches	On (one at a time, with delay after each short circuit is localized)

MPH

V _R	65
V _{SO}	64
V _{S1}	70
V _X	91
V _Y	95
Cruise Climb	105
V _A	117
Glide	105
V _{FE}	125
V _{NO}	170
V _{NE}	214
V _{LE/VLO}	150
Normal Takeoff	65 mph
Climb	95
Best Glide	105
Normal Landing	80
Short Field Landing	75
Frequencies	
Falcon Field CTAF (FFC) ASOS	123.05
Newnan-Coweta CTAF (CCO) ASOS	118.52
Tara CTAF	122.8
(4A7) GCO	118.97
4A7 AWOS	122.72
Griffin (6A2) CTAF	121.72
6A2 AWOS	124.825
Atlanta Approach	123.075
Emergency	119.75
	119.8/121.0
	121.5

See AFM for Emergency/Abnormal not listed.

SPEED REFERENCE