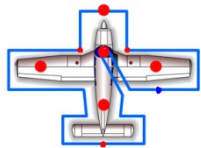




Interior	
Aircraft flight log	-Check
Control Lock	-Remove
Fuel Valve	-Check open fullest
Ignition switch	-Off (key removed!)
Master switch	-On
Fuel quantity	-Check
Stall Warning	-Check
Beacon, nav-& landinglights	-ON and Check
Master switch	-Off
Flaps	-Down



This Checklist is not a replacement for the POH; we are not responsible for mistakes made by using this checklist!

9/14/10

Right wing	
Flap	-Condition, connected, push rod conn.
Aileron	-Connected, moveable, balance mass conn.
Wingtip	-Condition, lights condition, secure
Leading edge	-Condition
Tie-down	-Removed
Air inlet	-Check
Fuel drain	-Check for dirt & water (1st flight of day)
Fuel tank	-Check quantity & cap secure

Right Main Gear	
Tire	-Check inflation, condition, skid mark
Brake	-Check lines & brake pads
Strut	-extended (≈ 114mm)

Nose Section	
Engine oil	-Check (4 qts min, 8 qts max)
Propeller & Spinner	-Check
Air intakes	-Clean
Alternator Belt	-Check
Landing light.	-Clean & check
Nose wheel strut	-extended
Nose wheel	-Check inflation & condition
Tow bar	-Removed
Fuel drain	-Check for dirt & water

Left Main Gear	
Tire	-Check inflation, condition, skid mark
Brake	-Check lines & brake pads
Strut	-extended (≈ 114mm)

Left Wing	
Tie-down	-Removed
Fuel drain	-Check for dirt & water (1st flight of day)
Fuel tank	-Check quantity & cap secure
Fuel vent	-Secure & clear
<b>Pitot tube cover</b>	<b>-Removed</b>
Pitot tube & Statik port	-Secure & clear
Stall warning	-Clear
Leading edge	-Condition
Wingtip	-Condition, lights condition, secure
Aileron	-Connected, moveable, balance mass conn.
Flap	-Condition, connected, push rod conn.



Left Fuselage	
General	-Check condition

Tail	
Tie-down	-Removed
Elevator & Rudder	-Moveable & connected
Cables	-Connected
Trim tab	-Connected

Right Fuselage	
General	-Check condition
Antennas (VOR, Com, ADF, XPDR)	-Check condition



PASSENGER BRIEFING	
noninterference with flight controls	
operation: use of seat belts, of door and window latches, of heating and air vents, of intercom and use of headsets	
normal / emergency exits and egress procedures	
emergency equipment (fire extinguisher , ax, first-aid kit)	
passenger discomfort (sickness bags)	

**Before starting engine**  
 Exterior Inspection -Completed  
 Seats -Adjust & lock  
 Seat belts -Fasten  
 Fuel valve -Open lowest tank  
 Flight controls -Check free & proper movement  
 Clock -Set  
 Avionics-Off  
 Circuit breakers -Check in  
 Flaps - Up

**Engine start**  
 Carb. heat - Cold  
 Master switch - On  
 Beacon - On  
 Fuel Pump - On (check pressure)

<b>Cold engine</b>	<b>Hot engine</b>
Mixture - Rich	Mixture - Cut Off
Throttle - open & back to 0.5 cm	Magnetos - Both
Mixture - Cut Off	Throttle -full open
Magnetos - Both	Prop area - CLEAR!
Prime - As required	Engine - Start
Prop area - CLEAR!	Mixture -(when engine runs) Rich
Engine - Start	Throttle - Idle
Mixture -(when engine runs) Rich	
Oil pressure - indicating green	
Fuel Pump - OFF	
Lights - As required	
Avionics - On / set as required / xpdr stby	
Altimeter - Set	
Fuel valve - open fullest	

**Taxi**  
 Brakes - Check  
 Rudder - Free movement  
 Gyros - Proper movement

**Run up**  
 Parking brake - Set  
 Aera (behind) - clear  
 Engine gauges - green  
 Throttle - Set 2000rpm  
 Magnetos - Check (175 max drop, 50 max diff.)  
 Carb. heat - Warm (for rpm drop)  
 Throttle - Idle  
 Carb. heat - Cold  
 Throttle - Full open check rpm  
 Suction gauge - Check green

Throttle - Set 1000rpm  
 Flaps - Check (full way)  
 Emergency & T/O-briefing - perform

**Before Takeoff**  
 Autopilot - ready (or Off)  
 Magnetos - Both  
 Primer - In and locked  
 Mixture - Rich  
 Carb. heat - Set cold  
 Master switch - On (Alt. & Bat.)  
 Engine gauges - Check green  
 Flaps - Set as required (25°)  
 Trim - "Takeoff"  
 Doors & windows - Closed  
 Compass to DG - Set  
 Fuel Pump - On (check pressure)  
 Landing light - On  
 Xponder - On / Mode "S" (Alt.)

**Takeoff**  
 Throttle - Full open  
 Engine - Check RPMs  
 Airspeed - Alive  
 Rotate - 50 kts IAS  
 Climb -V<sub>x</sub>= 65 kts IAS  
 -V<sub>y</sub>= 75 kts IAS

**After takeoff / Climb**  
 Flaps - Up @ 400ft  
 Landing light - Off  
 Fuel pump - Off (check pressure)  
 Climb - 88 kts IAS

**Cruise**  
 Throttle - Set as required (max 75%)  
 Mixture - Set as required  
 Lights - Set as required  
 Engine gauges - Check  
 Fuel quantity - Check  
 Fuel valve - manage

**Best glide: 76 kts IAS**  
 V<sub>S</sub>: 55 kts IAS / V<sub>SO</sub>: 49 kts IAS

9/14/10



**Descent / Approach**  
 Mixture - Rich  
 Carb. Heat - Pull hot  
 Fuel pump - On  
 Landing light - On  
 Fuel valve - Open fullest  
 On Final - 66 kts IAS  
 Flaps - As required

**After Landing**  
 Carb. heat -Cold  
 Xponder - STBY  
 Landing light - Off  
 Fuel pump - Off  
 Pitot heat - Off  
 Flaps -Up

**Engine Shutdown / Secure Aircraft**  
 Throttle - 1000rpm  
 Parking brake - Set  
 Avionics - Off  
 Mixture - Cut off  
 Master switch - Off  
 Ignition switch - Off (remove key)  
 Aircraft - Secure

*This Checklist is not a replacement for the POH; we are not responsible for mistakes made by using this checklist!*

**EMERGENCYS - FIRES**

**Engine Fire on Takeoff run**  
 Takeoff - Abort  
 Mixture - Cut Off  
 Magnetos - Off  
 Master switch - Off  
 Fuel valve - Off

**Engine Fire after Takeoff / in Flight**  
 Mixture - Cut Off  
 Magnetos - Off  
 Master switch - Off  
 Fuel valve - Off  
 Forced landing - Perform

**Fire / Smoke in cabin**  
 Master switch - Off  
 Cabin heat - Off  
 Fire extinguisher - Use  
 Cabin - Vent  
 Land as soon as possible - Perform



**EMERGENCYS - Engine Failures**

**Engine Failure during takeoff**  
 Throttle - Idle  
 Brakes - Apply  
 Flaps - Up  
 Mixture - Cut off  
 Master switch - Off  
 Ignition - Off

**Engine failure after takeoff**  
 Airspeed (best glide) - 76 kts IAS  
 Mixture - Cut off  
 Ignition - Off  
 Flaps - Set as required  
 Master switch - Off  
 Fuel valve - Cut off  
 Doors - Unlatch

**Engine fail. during flight /restart**  
 Airspeed - 80 kts IAS  
 Fuel valve - switch tank  
 Fuel pump - On  
 Carb heat - Hot  
 Mixture - Rich  
 Primer - In and closed  
 Magnetos - Both

**EMERGENCYS - Forced Landing**  
 Airspeed (best glide) - 76 kts IAS  
 Radios Com - xpdr 7700 Mayday 121.5  
 Mixture - Cut off  
 Master switch - Off  
 Ignition - Off  
 Fuel valve - Cut off  
 Doors - Unlatch