

Cockpit Prep

Aircraft Documents.....CHECK
 Windscreens CLEAN & UNDA MAGED
 Parking Brake ON
 Circuit Breakers..... ALL IN
 Control Lock & Pitot Cover.....REMOVE & STOW
 Emergency Tool CHECK STOWED
 PLBON BOARD
 Fire Extinguisher, First Aid KitCHECK
 Magneto Starter Switch OFF
 Avionics Master Switch OFF
 All switches except NAV lights OFF
 Master Switch ON
 Fuel Selector ON
 Fuel Contents CHECK against PLOG
 Anti Collision, Landing, Nav Light.....CHECK
 Pitot HeatCHECK
 Stall WarnerCHECK
 Master Switch OFF

Port Wing

Fuel Tank Sump..... DRAIN
 Fuel Filler Cap.....CHECK
 Fuel Vent.....CHECK
 Flap, AileronCHECK
 Tie DownCHECK
 Wing tip / Nav LightCHECK
 Pitot HeadCHECK
 Stall WarnerCHECK
 Wing SurfacesCHECK
 LH Main Landing Gear & Wheel Fairing...CHECK
 Radio AerialsCHECK

Front Fuselage

Cowling (Left).....CHECK
 Nosewheel and Gear.....CHECK
 Propeller & Spinner.....CHECK
 Air Inlet FilterCHECK
 Cowling (Right).....CHECK
 Nosewheel and GearCHECK
 Oil Quantity.....CHECK
 Radio AerialsCHECK

Starboard Wing

RH landing gear & Wheel FairingCHECK
 Wing SurfacesCHECK
 Wing Tip & Nav lightCHECK
 Tie DownCHECK
 Aileron & flapCHECK

After Engine START**Rear Fuselage & Tail**

Static Vent (Right) CHECK
 Fin..... CHECK
 Tail Bumper/Spin Strake CHECK
 Tailplane (Right) CHECK
 Elevator (Right) CHECK
 Trim Tab CHECK
 Rudder CHECK
 Nav Light CHECK
 Anti Collision Light.....CHECK
 Elevator (Left).....CHECK
 Tailplane (Left) CHECK
 Static Vent (Left) CHECK

Before START

External Check.....COMPLETE
 Headsets..... PLUGGED IN
 Canopy Closed or As Required
 Parking Brake ON
 Rudder Pedals Adjusted
 Seat Belts/Harnesses..... CHECK/SECURE
 Elevator Trim..... CHECK
 Flying Controls..... CHECK
 Master Switch ON
 Alternator Warning Light ON
 Nav Lights ON
 Fuel Selector..... CHECK ON
 Fuel Contents CHECK
 Fuel Pump ON/CHECK PRESSURE

Starting Engine

Carb HeatCHECK/OFF
 Mixture..... CHECK/RICH
 Throttle CHECK
 Throttle Friction CHECK
 Oil Temperature CHECK
 Engine..... PRIME AS REQUIRED
 Throttle SET 1/4 OPEN
 Anti Collision Light (OE only) ON
 Propeller Area CLEAR
 Magneto/Starter Switch..... ON/START

----- *Engine Starts* -----

Oil Pressure CHECK
 Throttle SET 1,200 RPM
 Fuel Pump OFF/CHECK PRESSURE
 Ammeter/Voltmeter CHECK
 Suction CHECK
 Engine running smoothly .. SET MAX 1,500 RPM

Do not exceed 1,500 RPM until Oil temp 40 C

Avionics Master Switch ON
 Intercom SET/CHECK
 Radio/Nav/Transponder ON/STANDBY
 MagnetosCHECK
 FlapsCHECK
 Radio/Nav/Transponder CHECK/SET
 Flight Instruments (Seven)*CHECK
 Altimeter .Check QNH reads elevation +50/-75'

Taxying

BrakesCheck
 Flight InstrumentsCheck
 Rudder Check full movement

Power Check

Oil Temperature..... Min 40 deg C
 Throttle2000 RPM
 Carb HeatCHECK
 Magnetos (max drop 175, Max diff 50) ...CHECK
 Oil Pressure/Fuel Pressure..... Green Arc
 Ammeter/Voltmeter Green Arc
 Suction Green Arc
 ThrottleClose - Idle 7-800
 RPM..... Reset 1,500 RPM

Pre- Takeoff

TrimmerSET
 Throttle FrictionSET
 MixtureRICH
 Carb Heat OFF
 Magnetos ON BOTH
 Fuel Selector ON
 Fuel ContentsCHECK
 Fuel Pump ON
 FlapsSET 12 degrees
 Engine Instruments*CHECK
 Flight Instruments* CHECK (DI Sync, Alt set)
 Seat Belts/HarnessesSECURE
 Canopy CLOSED & LATCHED
 Flying Controls FREE
 Transponder..... ALT + CODE SET
 Captain's Brief.....COMPLETE

Just Before Entering Runway

Landing Light & Anticol light (SX only) ON
 Pitot Heat ON
 Min RPM at Full Throtte..... 2350
Rotation Speed..... Normal 53 kts
Best Angle (12 deg flap)..... 57 kts
Best Climb below 5000ft 67 kts

After Takeoff / 1000ft

Flaps UP & OFF (150 AGL/70kt)
 Carb Heat CHECK OFF
 Landing Light ON
 Engine Instruments CHECK
 Altimeter Setting CHECK
 TransponderALT/CODE
 >1000' - Fuel Pump OFF/CHECK PRESSURE

TOC / Cruise

FRIEDA (change fuel tank).....Check
 Carb IceCheck

Pre-Landing

FuelCheck
 Flaps Check & Set
 Altimeter Check QFE
 Brakes..... Off & Check
 Landing Light On
 Carb Heat On Below 2000 RPM

Final

Flaps Set
V Approach Full Flap 65 kts
V Approach Flapless 73 kts
Best Glide 67

After Landing

Trimmer Neutral
 Flaps Up & Off
 Throttle Friction Loose
 Carb Heat Off
 Fuel Pump, Land Light, Strokes, Pitot Heat .. Off
 Transponder Standby
 Radio / Nav Off Except Comms

Shutdown

Park Break On (Off if at hangar)
 Throttle1500 RPM
 MagnetosCheck
 Radio Off
 Throttle Closed
 Mixture Idle Cut Off
 Magnetos / Starter Off & Remove Key
 Electrical Equipment except Nav lights Off
 Avionics master Off
 Battery Master Off
 Fuel selector Off
 Harnesses Stowed
 Control Lock Install
 Pitot Cover Install (last flight of day)