

Cockpit Prep

Aircraft DocumentsCHECK & STOW
 Windscreens CLEAN & UNDAMAGED
 Parking Brake.....ON
 Circuit BreakersALL IN
 Control Lock..... REMOVE & STOW
 PLB ON BOARD
 Fire Extinguisher, First Aid Kit..... CHECK
 Magneto Starter Switch.....OFF
 Alternate Static Source NORMAL
 Avionics MasterOFF
 Master Switch.....ON
 Vacuum / Alternator / Oil lightsON
 Fuel SelectorON
 Fuel Contents CHECK
 Anti Collision, Landing, Nav Light .. CHECK
 Pitot Heat CHECK
 Stall Warner..... CHECK
 Master SwitchOFF
 FlapsDOWN

Starboard Wing

Flap & Aileron CHECK
 Wing Tip & Nav light..... CHECK
 Wing Surfaces..... CHECK
 Fuel Cap, Tank, Vent, Drain CHECK
 RH landing gear & Wheel Fairing... CHECK

Front Fuselage

Windscreen & OAT probe..... CHECK
 Oil Quantity CHECK
 Engine & Cowling (Right) CHECK
 Propeller & Spinner CHECK
 Air Inlet CHECK
 Alternator Belt..... CHECK
 Exhaust pipe CHECK
 Landing light CHECK
 Nosewheel and Gear CHECK
 Engine & Cowling (Left) CHECK
 Fuel Drain CHECK

Port Wing

LH Main Landing Gear & Wheel Fairing
 CHECK
 Fuel Cap, Tank, Vent, Drain CHECK
 Wing Surfaces..... CHECK
 Stall Warner..... CHECK
 Pitot Head..... CHECK
 Wing tip / Nav Light..... CHECK
 Flap, Aileron CHECK

Rear Fuselage & Tail

Skin & Windows..... CHECK
 Fin surfaces.....CHECK
 Stabilator & Anti-servo tab..... CHECK
 Rudder CHECK
 Nav Light CHECK
 Anti Collision Light CHECK
 Radio Aerials CHECK
 Baggage Door CHECK
 Cabin door CHECK

Before START

External Check COMPLETE
 Entrance door CLOSED
 HeadsetsPLUGGED IN
 Parking Brake..... ON
 Seats / Harnesses..... CHECK/SECURE
 Pitot & static drains CHECK
 Elevator Trim CHECK
 Flaps..... RETRACT
 Flying Controls CHECK
 Master Switch ON
 Alternator Warning Light..... ON
 Low Voltage Warning Light..... ON
 Nav Lights / Anti-Col ON
 Fuel Selector CHECK ON (lowest tank)
 Fuel Pump ..ON – CHECK PRESSURE – OFF
 Circuit breakers..... Check In

Starting Engine

Carb Heat..... CHECK/OFF
 MixtureCHECK/RICH
 Prime AS REQUIRED
 Throttle..... $\frac{1}{4}$ " in (cold) $\frac{1}{2}$ " in (hot)
 Throttle Friction..... CHECK
 Oil Temperature CHECK
 Propeller Area..... CLEAR
 Magneto/Starter Switch ON/START

----- Engine Starts -----

Oil Pressure..... CHECK
 Starter warning light..... CHECK OUT
 Throttle.....SET 1,200 RPM
 Ammeter..... CHECK
 Suction..... CHECK
 Annunciator Lights..... CHECK OUT
 Low voltage light..... CHECK OUT
 Circuit breakers..... CHECK
 Magnetos..... CHECK

After Engine START

Avionics MasterON
 Intercom SET/CHECK
 Radio/Nav/Transponder..... ON/STANDBY
 Engine / flight Instruments CHECK
 Altimetr Check QNH reads elevn +50/-75'

Taxying

Brakes & Rudder Check
 Flight Instruments Check

Power Check

Engine instruments (Oil Temp)..... CHECK
 Fuel Selector CHANGE TANKS
 Throttle..... 2000 RPM
 Carb Heat..... CHECK
 Magnetos (max drop 175, diff 50). CHECK
 Engine instruments..... Green Arc
 Alternator CHECK
 Suction..... CHECK
 Annunciator lights PTT
 Throttle. Close—Chck Idle 700—Reset 1200

Pre- Takeoff

Trimmers SET
 Throttle Friction..... SET
 Mixture RICH
 Carb Heat..... OFF
 Magnetos..... ON BOTH
 Fuel Selector ON
 Fuel Contents CHECK
 Primer CHECK LOCKED IN
 Fuel Pump..... ON
 Flaps As Required (0 or 25° short fld)
 Engine Instruments CHECK
 Flight Instrmnts ..CHECK (DI Sync, Alt set)
 Autopilot..... OFF
 Static source NORMAL
 Seat Belts/Harnesses SECURE
 Door CLOSED & LATCHED
 Flying Controls FREE
 Transponder ALT + CODE SET
 Captain's Brief COMPLETE

Just Before Entering Runway

Landing Light & Anticol light.....ON
 Pitot HeatON
Rotation Speed ..Normal 55 kts (52 short)
Best Angle (25 deg flap) 64 kts
Best Climb below 5000ft..... 76 kts

After Takeoff / 1000ft

Flaps.....UP)
 Carb Heat.....CHECK OFF
 Landing Light..... OFF
 Engine Instruments.....CHECK
 Altimeter SettingCHECK
 Transponder ALT/CODE
 >1000' -Fuel Pump OFF/CHECK PRESSURE

TOC / Cruise

FRIEDA (change fuel tank) Check
 Carb Ice Check

Pre-Landing

Brakes Off & Check
 Landing Light..... On
 Mixture RICH
 Fuel SELECT TANK / CHECK QTY
 Fuel Pump ON
 Engine / Instruments..... CHECK
 Altimeter..... Check QFE
 Carb Heat..... On Below 2000 RPM
 Hatches & Harnesses Check Secure
 Flaps..... Check & Set

Final

V Approach Full Flap 66 kts
V Approach Flapless..... 70 kts
Best Glide..... 75

After Landing

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

Shutdown

Park Break..... On (Off if at hangar)
 ThrottleSet 1200
 Magnetos..... Check
 Radio..... Off
 Throttle Closed
 Mixture Idle Cut Off
 Magnetos / Starter Off & Remove Key
 Electrical equip except Nav lights Off
 Battery Master..... Off
 Fuel selector Off
 Harnesses Stowed