

**FREQUENCIES:**

Emergencies 121.5  
 CZBA Unicom 123.5  
 CYFD Unicom 122.82  
 CYHM ATIS 128.1  
 CYHM TWR 125.0  
 CYKF ATIS 125.1  
 CYKF TWR 126.0  
 CYYZ TERMINAL 119.3  
 FLIGHT SERVICE 123.27 or 126.7

**PRE-FLIGHT INSPECTION**

Control Lock.....OFF  
 Magnetos.....OFF  
 Master Switch.....ON  
 Fuel Gauges.....CHECK QUANTITY  
 Beacon.....CHECK  
 Avionics Master.....ON  
 Listen.....FOR COOLING FAN  
 Avionics Master.....OFF  
 Flaps.....EXTEND IN STAGES  
 Master Switch.....OFF  
 Loose Objects.....SECURE  
 Fire Extinguisher.....CHARGED  
 First Aid Kit.....ON BOARD  
 Documents.....CHECK  
 External Check.....COMPLETE

**PASSENGER BRIEFING**

EXITING AIRCRAFT  
 DOOR LATCHES  
 WINDOW LATCHES  
 SEAT BELT LATCHES  
 FIRE EXT. LOCATION/USE  
 FIRST AID KIT  
 ELT LOCATION/USE  
 MOTION SICKNESS  
 NO SMOKING  
 DON'T TOUCH CONTROLS  
 ANY QUESTIONS?

**PRE-ENGINE START**

Hobbs Time.....RECORD  
 Avionics and Electrics.....OFF  
 Controls.....FREE & CORRECT  
 Trim.....FREE & SET

**START CHECK**

Mixture.....ICO  
 Throttle.....¼ INCH  
 Fuel Valve.....ON BOTH  
 Fuel Shut-off Valve.....IN  
 Brakes.....SET and HOLD  
 Master Switch.....ON  
 Beacon.....ON  
 If Prime Required:  
     Fuel Pump.....ON  
     Mixture.....FULL RICH  
     Fuel Flow.....FOR 3 - 5 SECONDS  
     Mixture.....ICO  
     Fuel Pump.....OFF  
 Prop Area.....“CLEAR”  
 Engine.....START  
 Mixture.....RICH AS ENGINE FIRES  
 Throttle.....1000 RPM  
 Oil Pressure.....CHECK

**AFTER START**

Mixture.....LEAN 1 INCH  
 Electrics.....AS REQUIRED  
 Avionics Master.....ON  
 Audio Panel.....CHECK  
 Radio.....CHECK (or ATIS)  
 Flight Instruments.....SET  
 Annunciator Panel.....CHECK  
 Transponder.....TEST / STBY 1200  
 Autopilot.....OFF  
 Flaps.....UP IN STAGES  
 Parking Brake.....OFF

**TAXI CHECK**

Brakes.....TEST  
 Control Inputs.....FOR WIND  
 Flight Instruments.....GYRO CHECK

**RUN-UP**

Brakes Set.....1000 RPM  
 Blast Area.....CLEAR  
 Mixture.....RICH  
 Throttle.....1800 RPM  
 Brakes Holding.....CONFIRM  
 Oil Temp & Pressure.....CHECK  
 Mags.....CHECK  
 Suction.....CHECK  
 Alternator.....CHARGING  
 Mixture.....CHECK  
 Throttle.....SLOWLY TO IDLE  
 Throttle.....1000 RPM

**PRE TAKE-OFF**

Throttle.....1000 RPM  
 Engine Gauges.....GREEN  
 Mags.....ON BOTH  
 Master Switch.....ON  
 Circuit Breakers.....IN  
 Mixture.....RICH  
 Flaps.....AS REQUIRED  
 Trim.....SET FOR TAKE-OFF  
 Fuel Selector.....ON BOTH  
 Fuel Shut-Off Valve.....IN  
 Doors and Windows.....SECURE  
 Seats and Harnesses.....SECURE  
 Controls.....FREE  
 Pax Briefing.....COMPLETED  
 Take-off Briefing.....COMPLETED  
 T - Take-off Time.....NOTE  
 I – Instruments.....SET  
 L – Lights.....ON  
 T – Transponder.....ON ALT

**ON RUNWAY CHECK**

Max Power.....SET  
 Gauges.....GREEN  
 Airspeed.....ALIVE

**AFTER TAKE-OFF CHECK**

Gauges.....GREEN  
 Flaps.....UP

**CRUISE CHECK**

Power.....SET  
 Mixture.....LEAN  
 Gauges.....GREEN

**PRE LANDING**

Engine Gauges.....GREEN  
 Mags.....ON BOTH  
 Master Switch.....ON  
 Circuit Breakers.....IN  
 Mixture.....RICH  
 Fuel Selector.....ON BOTH  
 Fuel Shut-off Valve.....IN  
 Brake Pressure.....CHECK  
 Seats and Harnesses.....SECURE  
 Pax Briefing.....COMPLETED

**AFTER LANDING**

Throttlr.....1000 RPM  
 Transponder.....STBY 1200  
 Flaps.....RETRACT  
 Mixture.....LEAN 1 INCH  
 Unnecessary Electrics.....OFF  
 Landing Time.....NOTE

**SHUT DOWN**

Throttle.....1000 RPM  
 Radio.....CHECK 121.5  
 Avionics Master.....OFF  
 Electrics.....OFF  
 Throttle.....IDLE  
 Live Mag.....CHECK  
 Throttle.....1000 RPM  
 Mixture.....ICO  
 Mags.....OFF  
 Master Switch.....OFF  
 Hobbs Time.....RECORD  
 Control Lock.....INSTALL  
 External Covers.....INSTALL  
 Unserviceabilities.....RECORD

<u>Airspeeds - KIAS</u>	
Vx Best Angle.....	60
Vy Best Rate.....	79
En-route Climb.....	70-85
Maximum Glide.....	65