

SPECTRUM AIRWAYS
Piper PA28-161 Cherokee Warrior II

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.....ON
 Fuel Gauges.....CHECK QUANTITY
 Beacon.....CHECK
 Master.....OFF
 Flaps.....EXTEND
 Loose Objects.....SECURE
 Fire Extinguisher.....CHARGED
 First Aid Kit.....ON BOARD
 Documents.....ON BOARD
 External Check.....COMPLETE
 Passenger Briefing.....COMPLETE

PRE-ENGINE START

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

START CHECK

Fuel Selector.....ON LOWEST TANK
 Throttle.....¼ INCH
 Prop.....FULL FORWARD
 Mixture.....RICH
 Carb Heat.....COLD
 Prime.....AS REQUIRED
 Master Switch.....ON
 Beacon.....ON
 Fuel Pump.....ON
 Brakes.....SET and HOLD
 Prop area....."CLEAR"
 Engine.....START
 Throttle.....1000 RPM
 Oil Pressure.....CHECK

AFTER START

Fuel Pump.....OFF
 Mixture.....LEAN FOR TAXI
 Electrics.....AS REQUIRED
 Avionics.....ON
 Transponder.....TEST / STBY 1200
 Audio Panel.....CHECK
 Radio.....CHECK (or ATIS)
 Flight Instruments.....SET
 Parking Brake.....OFF

TAXI CHECK

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

RUN-UP

Brakes Set.....1000 RPM
 Blast Area.....CLEAR
 Fuel Selector.....ON FULLEST TANK
 Mixture.....RICH
 Throttle.....2000 RPM
 Brakes Holding.....CONFIRM
 Oil Temp & Pressure.....CHECK
 Fuel Pressure.....CHECK
 Mags.....CHECK
 Suction.....CHECK
 Alternator.....CHECK
 Prop.....GOVERNOR CHECK
 Mixture.....CHECK
 Carb Heat.....HOT
 Throttle.....SLOWLY TO IDLE
 Throttle.....900 RPM
 Carb Heat.....COLD

PRE TAKE-OFF

Throttle.....1000 RPM
 Fuel Selector.....ON
 Mags.....ON BOTH
 Primer.....LOCKED
 Master Switch.....ON
 Fuel Pump.....ON
 Prop.....FULL FORWARD
 Mixture.....RICH
 Carb Heat.....COLD
 Circuit Breakers.....IN
 Engine Gauges.....GREEN
 Flaps.....AS REQUIRED

PRE TAKE-OFF (cont)

Trim.....SET FOR TAKE-OFF
 Doors & Windows.....SECURE
 Seats & Harnesses.....SECURE
 Controls.....FREE
 T – Take-off Time NOTE
 I – Instruments SET
 L – Lights ON
 T – Transponder ON ALTITUDE
 Take Off Briefing.....COMPLETE

ON RUNWAY

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

POST TAKE-OFF (500' AGL)

Throttle.....24" MP
 Prop.....2400 RPM
 Flaps.....RETRACT IN STAGES
 Gauges.....GREEN

CRUISE CHECK

Cruise Power.....SET
 Fuel Pump.....OFF
 Fuel Pressure.....CHECK
 Mixture.....LEAN

FUEL TANK CHANGE EVERY 30 MINUTES

Fuel Pump.....ON
 Fuel Selector.....TO FULLEST TANK
 Fuel Pump.....OFF
 Fuel.....PRESSURE CHECK

PRE LANDING

Seats & Harnesses.....SECURE
 Fuel Selector.....TO FULLEST TANK
 Mags.....ON BOTH
 Primer.....LOCKED
 Master Switch.....ON
 Fuel Pump.....ON
 Mixture.....RICH
 Carb Heat.....CHECK THEN COLD
 Circuit Breakers.....IN
 Engine Gauges.....GREEN
 Brake Pressure.....CHECK

GUMP CHECK ON FINAL

G - GAS.....QUANTITY, PUMP ON
 U - UNDERCARRIAGE
 M - MIXTURE.....RICH
 P - PROP.....FULL FWD

AFTER LANDING

Throttle.....1000 RPM
 Transponder.....STBY 1200
 Flaps.....RETRACT
 Fuel Pump.....OFF
 Unnecessary Electrics.....OFF
 Landing Time.....NOTE
 Mixture.....LEAN FOR TAXI

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

REPORT UNSERVICEABILITIES

AIRSPEEDS - MPH	
Vx Best Angle.....	76
Vy Best Rate.....	87
En-route Climb.....	100
Maximum Glide.....	85
Vsi.....	64.5
Vso.....	58
APPROACH (0° FLAP).....	80
APPROACH (40° FLAP).....	71