

Piper IFR-Checklist
PA-28-181 Archer III VH-OKY

BEFORE STARTING ENGINE

Parking brake set
Preflight check completed
Technical status/ Maint. Release....signed
Tacho time..... note
Seat.....adjust
Circuit breakers..... check
Electrical equipment..... OFF
Fuel caps.....secured
Compass deviation card..... check

STARTING ENGINE

Battery Master ON
Fuel pump..... ON
Magnetos..... ON
Carburetor heat..... OFF
Mixture..... full RICH
Throttle 1 cm OPEN
Fuel pressure..... check
Primer..... 3-4 seconds
Prop area.....clear
Starterengage
Throttle1000 RPM
Oil pressure check
Alternator/Load ON/check
Fuel pump OFF

TAXIING

Belts/harness fasten
Nav lightON/ if required
Stand By Battery.....ON
Radio Master ON
Aviation Database..... valid
ATISchecked
Altimeters (2)..... set
Autopilot..... check
Taxi area.....clear
Brakes check
Flight instruments..... check in turn

GROUND CHECK

Throttle2000 RPM
Magnetos..... check
Carburetor heat..... check
Engine gauges..... check
Alternator load.....<25
Throttle idle check, 1000 RPM
Alternate static port.....check
Annunciator panelpress-to-test
Mixture.....RICH
Fuel pump..... ON
Fuel selector desired tank
Trim tabs set
Flaps check - set
Controls free
Door/window latch
Flight/engine instruments check
Clearance received
Transponder.....set
NAV-aids set
Departure briefing.....give
Emergency procedures review

ON RUNWAY

Directional Gyro.....Check RWY HDG
Transponder.....ALT
Landing light & Strokes.....ON
Pitot heat.....as required
Takeoff time note

NORMAL TAKEOFF AND CLIMB

Cruise climb 80-90 KIAS
Flapsretract slowly
Fuel pump OFF

CRUISE

Power..... SET
Mixture.....adjust
Carburetor heat..... check
Landing Light.....OFF
Icing check
Fuel selector..... change every hour

BEFORE DESCENT

Directional gyrocheck
Fuel quantity check
NAV-aids..... set & identify
RAIM-check..... if applicable
Arrival/Approach.....set up
Plates and GPS.....match

APPROACH BRIEFING

Airport & approachname, type & RWY
MSA.....check
IAF & Entry.....decide
Initial altitudedecide
Inbound track set
OM/MM altitude check
Minima/DP check
Missed APCH procedure check

APPROACH AND LANDING

Altimeters(2)..... set
Mixture full RICH
Fuel selector..... proper tank
Fuel pump ON
Landing light..... ON
Carburetor heat ON if required
Flap set airspeed < 103 KIAS
Carburetor heat OFF on short final
Flapsas required

AFTER LANDING

Flaps retract
Fuel pump OFF
Lights OFF
Pitot Heat OFF
Landing time note

STOPPING ENGINE

Electrical equipment & Radio Master.. OFF
Stand By BatteryOFF
Mixture..... idle cut-off
Magnetos OFF
Battery Master & AlternatorOFF