



IFR-Checklist

PA-28-181 Archer III SE-LRL

BEFORE STARTING ENGINE

Parking brake set
 Preflight check completed
 Technical status/documents verified
 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
 Magneto LEFT ON
 Carburetor heat OFF
 Mixture full RICH
 Throttle 1 cm OPEN
 Fuel pressure check
 Primer 3-4 seconds
 Prop area clear
 Starter engage
 Throttle 1000 RPM
 Oil pressure check
 Alternator/Load ON/check
 Magneto RIGHT ON
 Fuel pump OFF

TAXIING

Belts/harness fasten
 Fin Strobe ON
 Radio Master ON
 Transponder STBY
 NAV-aids, check
 Aviation Database valid
 SBAS Selection EGNOS ON
 RAIM Prediction available
 Altimeter set
 Autopilot check
 Taxi area clear
 Brakes check
 Flight instruments check in turn

GROUND CHECK

Throttle 2000 RPM
 Magnetos check
 Carburetor heat check
 Engine gauges check
 Alternator load <25
 Alternate static port check
 Throttle idle check, 1000 RPM
 Annunciator panel press-to-test
 Mixture RICH
 Fuel pump ON
 Fuel selector desired tank
 Trim tabs set
 Flaps check - set
 Controls free
 Directional gyro check
 Door/window latch
 Flight/engine instruments check
 Clearance received
 NAV-aids/departure briefing set/give
 Strobe / Nav light ON/ if required
 Emergency procedures review

ON RUNWAY

Directional Gyro check RWY HDG
 Transponder ALT
 Landing light ON
 Pitot heat as required
 Takeoff time note

NORMAL TAKEOFF AND CLIMB

Cruise climb 80-90 KIAS
 Flaps retract slowly
 Fuel pump OFF
 Landing light OFF
 Altimeter 1013 if applicable

CRUISE

Power SET
 Mixture adjust
 Carburetor heat check
 Icing check
 Fuel selector change every hour

BEFORE DESCENT

Directional gyro set
 Fuel quantity check
 NAV-aids set & identify
 PBN-checks (if applicable)
Arrival/Approach set up
Plates and GPS match

APPROACH BRIEFING

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

APPROACH AND LANDING

Altimeter set
 Mixture full RICH
 Fuel selector proper tank
 Trim to 90 KIAS
 Fuel pump ON
 Landing light ON
 Carburetor heat ON if required
 Flap set airspeed < 103 KIAS
 Trim to 70 KIAS
 Carburetor heat OFF on short final
 Flaps as required

AFTER LANDING

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

STOPPING ENGINE

Electrical equipment & radio OFF
 Mixture idle cut-off
 Magnetos OFF
 Alternator OFF
 Battery Master OFF
 Tacho time note
 Control wheel/tie downs secure
 Red magnetos tag insert