



BEFORE ENGINE START

Interior/Exterior Inspection COMPLETE
 Cabin Door CLOSED & LATCHED
 Passenger Briefing COMPLETE
 Seats, Seat Belts..... ADJUST & LOCK
 Parking BrakeSET
 Throttle IDLE
 Propeller Control FULL FWD
 Mixture Control IDLE CUT-OFF
 Master Switch OFF
 Radios & Avionics Master Switch OFF
 Breakers..... ALL IN

ENGINE START

Battery Switch ON
 Main Tank With Lowest Fuel Qty..... SELECT
 Flashing Beacon ON
 Mixture FULL RICH
 Electric Fuel Pump SwitchON
 Throttle CRANK
 Ignition Switch StartROTATE & PRESS IN

AFTER START

Throttle Adjust 1000 R.p.M
 Oil pressure (Rising) CHECK
 Electric Fuel Pump Switch OFF
 Alternator Switch ON
 Avionics Master SwitchON
 Radios & NAV ON & SET
 Flight Instruments & Altimeters CHECK/SET
 Navigation Lights AS REQUIRED
 Pitot Heat ON THEN OFF
 Ammeter Output CHECK

BEFORE TAXI

Departure Briefing PERFORM
 Cabin Door Closed & Latched CHECK
 Flaps SET
 Flight Controls..... FREE

TAXI

ATSCALL
 Brakes & Flight InstrumentsTEST & CHECK

ENGINE RUN-UP

Fuel Quantity CHECK
 Fuel Selector ValveFULLEST MAIN TANK
 Mixture RICH
 Engine Gauges Indication GREEN ARC
 Throttle..... 2100 R.p.M
 Propeller Exercise Full Excursion3 TIMES
 Mixture TEST Then RICH

Magnetos Drop Max 150/25 R.p.MCHECK
 Carb Heat CHECK
 Ammeter CHECK
 Vacuum Gage 4-6 GREEN ARC
 Throttle 1100 RPM

BEFORE TAKEOFF

Throttle Friction. ADJUST
 Mixture RICH
 Boost Pump.....ON
 Magnetos BOTH
 Propeller Control FULL FWD
 Flaps: 10°-20°..... SET
 Pitot Heater AS REQUIRED
 Elevator Trim Tab NEUTRAL

TAKE-OFF

Transponder-Mode C ALT
 Directional Indicator (Compass Card)SET
 Attitude Indicator ADJUST
 Landing Light ON
 Power.....ADVANCE SLOWLY

AFTER TAKE-OFF

Landing Gear RETRACT
 Landing LightOFF
 Flaps (> 90 KIAS) UP
 Climb Power SET
 Fuel Tank Selector AS REQUIRED
 Boost Pump..... OFF

ENROUTE CLIMB & CRUISE

Altimeters Set STD1013.2/29.92
 Fuel QTY CHECK
 Enroute Climb Speed120-130KIAS
 Power.....SET
 MixtureLEAN AS REQUIRED
 Cruise
 Power.....AS REQUIRED
 Mixture.....LEAN AS REQUIRED

DESCENT

ATIS RECEIVED
 Approach Briefing PERFORM
 Fuel Quantity CHECK
 Pitot Heater AS REQUIRED
 MixtureADJUST



APPROACH

Altimeters Set QNH
 Fuel Quantity CHECK
 Magnetos BOTH
 Mixture FULLY RICH
 Boost Pump ON
 Fuel Selector FULLEST MAIN
TANK
 Carb Heat AS REQUIRED
 Pitot Heater AS REQUIRED

FINAL

Landing Gear Down & Locked3 GREEN
 Flaps SET
 Landing Light ON
 Yaw Damper.....OFF

AFTER LANDING

Rwy VACATE
 ATS ADVISE
 Brakes APPLY
 Transponder STAND-BY
 Landing Light OFF
 Strobe Light OFF
 Boost Pump OFF
 Pitot Heat OFF
 Flaps UP
 Trim NEUTRAL

PARKING

Parking Brake SET
 Avionics Master Switch & Radio PWR..... OFF
 Throttle IDLE
 Magnetos Check For Dead Cut OFF/BOTH
 Throttle IDLE
 Propeller Fine Pitch To Increase R.P.M SET
 Mixture Control IDLE CUT OFF
 Electrical Equipment OFF
 Magnetos OFF
 Beacon Light OFF
 Master Switch (Alternator & Battery) OFF

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REFERENCE SPEEDS

Vne - Never Exceed Sped236 KIAS
 Va - Maneuvering Speed162 KIAS
 Vb - Turb. Penetration 187 KIAS
 Vfe - 20 degrees Flaps125 KIAS
 Vfe - 20-50 degrees Flaps 108 KIAS
 Vlo - Max Lnd Gear Operating Speed 108 KIAS
 Vle - Max Lnd Gear Extended Speed 108 KIAS
 Vx - Best Angle of Climb Speed 87 KIAS
 Vy - Best Rate of Climb Speed 108 KIAS
 Maximum Glide 90 KIAS

Average sink (Vemax) -1000 fpm
 Average run (Vemax) 1.6NM / 1000ft

CRUISE POWER SETTINGS

55%.....21@2200
 65%.....22@2300
 75%.....24@2400

Add 1inHg for each 10°C above ISA
 Substract 1inHg for each 10°C below ISA

CRUISE MIXTURE SETTINGS

> 80%+200ROP
 > 75%+180ROP
 > 70%+125ROP
 > 65%+100ROP
 < 65% ANY

LOAD FACTOR

1000Kg +6 / -3
 1102Kg +4.4 / -2.2
 Flaps Down +2 / 0