

Before Start

Preflight.....COMPLETE
 Passenger BriefingCOMPLETE
 Seats and Seat Belts SECURE
 Brakes TEST AND SET
 Circuit Breakers CHECK IN
 Electrical Equip./Autopilot..... OFF
 Avionics Power OFF
 TransponderSTAND-BY
 ELT Auto
 Cowl Flaps OPEN
 Fuel Selector BOTH

Starting Engine (Battery)

Propeller HIGH
 Mixture CUT-OFF
 Beacon ON

Propeller Area CLEAR
 Master Switch..... ON
 ----- PRIME -----
 Fuel Pump ON
 Mixture RICH then CUT-OFF
 Fuel PumpOFF

 Throttle OPEN ¼ INCH
 Ignition SwitchSTART
 Mixture ADVANCE
 Oil Pressure CHECK

After Start

Mixture LEAN
 Flaps RETRACT
 Navigation Lights..... ON (Night)
 Avionics Power ON
 ATIS/AWOS OBTAIN
 CLEARANCE OBTAIN

Taxi Checks

InstrumentsCHECK

Runup

Mixture..... RICH
 Throttle 1800 RPM
 Magnetos CHECK (150/50)
 Propeller..... CYCLE
 Suction GaugeCHECK
 Engine InstrumentsCHECK
 AmmeterCHECK
 Annunciator Panel CLEAR
 Throttle 1000 RPM
 Mixture..... LEAN

Before Takeoff

Flight Controls..... FREE
 Flight Instruments..... CHECK
 Fuel CHECK
 Trim..... SET
 Avionics..... SET
 Autopilot..... OFF
 Cowl Flaps OPEN
 Wing Flaps..... 10°

 Window LATCHED
 Lights..... AS REQUIRED
 Transponder ALT
 Mixture..... RICH

Takeoff

Power 39"/2500 RPM
 Mixture..... 39 GPH
 Rotate 55 K
 Climb 80 K
 500 AGL
 Flaps RETRACT
 Power 30"/2400 RPM
 Mixture..... 20 GPH
 Climb105 K

Climb

Flaps..... UP
 Power 30"/2400 RPM
 Mixture 20 GPH
 Cowl Flaps..... AS REQUIRED
 Lights..... AS REQUIRED

Cruise

Power/RPM..... 30"/2400 RPM
 Mixture 19.5 GPH
 Cowl Flaps..... AS REQUIRED

Descent

Power 28"/2400 RPM
 Mixture 19.5 GPH
 AND SET Flaps..... CLOSED
 Fuel CHECK
 Flaps..... 10° <140K

Before Landing

Seat Backs UPRIGHT
 Seats and Seat Belts..... SECURE
 Fuel Selector..... BOTH
 Mixture ENRICHEN ¼ TURN
 Lights..... AS REQUIRED

Landing

Airspeed (Flaps Up)..85-95 KIAS
 Airspeed (Flaps Dn)..65-75 KIAS

After Landing

Flaps..... UP
 Transponder STAND-BY
 Lights..... AS REQUIRED
 Propeller HIGH
 MixtureLEAN

Securing Airplane

Avionics OFF
 Electrical Equipment..... OFF
 Panel Lights OFF (Night)
 Mixture CUT-OFF
 Throttle..... IDLE
 Ignition Switch OFF
 Master Switch..... OFF
 Fuel Selector OFF
 Control Lock.....INSTALL
 Cowl Flaps CLOSED

Approach Speeds

Downwind	105 K / 20"
Flaps	90 K / 16"
Final	75 K / 13"

Speeds

V _X	69 K
V _Y	89 K
Best Glide	75 K
V _A	120 K
V _{FE}	140/100 K

**FOR EMERGENCY CHECKLISTS USE THE
PILOTS OPERATING HANDBOOK**

Pre-Flight (Cockpit)

Left Wheel CHOCK
 Pitot Cover REMOVE
 Magnetos OFF
 Master OFF
 Alt. Static OFF
 Throttle IDLE
 Mixture CUT-OFF
 Ckt. Breakers CHECK
 Transponder STAND-BY
 ELT Armed
 Radio Master OFF
 Master ON
 Fuel CHECK
 Lights CHECK
 Pitot Heat CHECK
 Avionics Fan CHECK
 Cargo Door LATCHED CLOSED
 Flaps LOWER
 Master OFF
 Elevator Trim NEUTRAL
 Rudder Trim NEUTRAL
 Oxygen CHECK
 Controls FREE

Pre-Flight (Exterior)

Flaps CHECKED
 Ailerons CHECKED
 Fuel SAMPLED
 Fuel Quantity _____ G
 Oil CHECKED (8-9 qts)
 Propeller CHECKED
 Engine CHECKED
 Stall Warning CHECKED
 Pitot Mast CHECKED
 Static Ports CHECKED
 Elevators CHECKED
 Rudder CHECKED
 Skins/Rivets CHECKED
 Cargo Door CLOSED AND
 UNLOCKED
 Tie-downs REMOVED
 Chocks REMOVED