

Before Start

Hobbs Time.....RECORDED
Circuit Breakers, Alt Static, Alt Induction.....CHECKED
CAPS Pin.....REMOVED
Emergency Equipment.....ON BOARD
Passengers.....BRIEFED
Seats, Seat Belts, and Harnesses.....ADJUST & SECURE
Air Conditioning.....OFF

Starting Engine

Brakes.....HOLD
Battery 1 & 2.....ON, 23-25 VOLTS
Strobe Lights.....ON
Fuel.....QUANTITY CONFIRM/ FULLEST TANK
Mixture.....FULL RICH
Power Lever.....FULL FORWARD

If starting warm engine omit priming

Fuel Pump.....PRIME, then BOOST
Power Lever.....OPEN ¼ INCH
Propeller Area.....CLEAR
Ignition Switch.....START
Power Lever.....RETARD (to maintain 1000 RPM)

Oil Pressure.....CHECK
Alternator 1 & 2.....ON, 28 VOLTS
Avionics Power Switch.....ON
Fuel Pump.....OFF
Mixture.....LEAN for TAXI
Flaps.....UP (0%)
Flight Controls.....FREE & CORRECT
Annunciators/ EMax.....CHECK

Taxiing

Brakes & Flight Instruments.....CHECK

Before Takeoff

Brakes.....HOLD
Power Lever.....1700 RPM
Engine Gauges.....CHECK
Pitot Heat/ Nav Lights/ Landing Light.....ON

Verify both ALT caution lights out and positive amps indication for each alternator.

Voltage.....CHECK
Magnetos.....CHECK

Max Drop 150 RPM/ Max Differential 75 RPM/ All EGTs Rise

Power Lever.....IDLE, THEN 1000 RPM
Autopilot.....TESTED/ "AP RDY" on PFD

Trims.....TEST all axis and SET
PFD/ Radios/ GPS/ Transponder.....SET for Takeoff
Flaps.....SET 50% & CHECK
Fuel Pump.....ON
Doors.....CLOSED
Mixture.....SET for Takeoff
Air Conditioning.....OFF
Pitot Heat.....AS REQUIRED

Climb

Flaps.....Confirm UP
Boost Pump.....AS REQUIRED
EGT.....NORMALIZED
Mixture.....LEAN AS REQUIRED
Engine Instruments & CHT.....CHECK

Cruise

Fuel Pump.....AS REQUIRED
Power.....SET
Mixture.....LEAN
Engine Instruments.....MONITOR
Fuel Flow and Balance.....MONITOR

Power before Leaning	Target LOP
≤ 65%	-25°
70%	-40°
75%	-50°

Before Landing

Fuel Pump and Selector.....ON/ FULLEST TANK
Mixture.....SET
Brake Pressure.....CHECK
Landing Light & PCL.....AS REQUIRED
Air Conditioning.....OFF

After Landing

Boost Pump.....OFF
Mixture.....LEAN for TAXI
Flaps.....UP
Pitot Heat.....OFF
Lights.....AS REQUIRED
Flight Plan.....CLOSED

Shutdown

Air Conditioning.....OFF
Avionics Switch.....OFF
Mixture.....CUTOFF
Magnetos.....OFF, KEY OUT
Bat-Alt Master Switches.....OFF
ELT.....TRANSMIT LIGHT OUT
Chocks/ Parking Brake.....AS REQUIRED