**Before Start**

Walk Around Completed

Seat Belts Fastened

PIC Established

**Engine Start**

Parking Brake Set

Fuel Desired Tank

Alternate Air Off

Master Switch On

3-in-the-green Check

Fuel Pump On

Throttle ¼″

Mixture (Prime) Full Rich

CLEAR/Starter Engage

Throttle Idle

Mixture Lean for Taxi

Oil Pressure Check

Load Meter Check

Fuel Pump Off

Fuel Pressure Check

**After Start**

Avionics Master On

Transponder Set

Circuit Breakers Check

GPS Database Valid

ATIS Check

**Before Taxi**

Transponder Set

Initial Altitude Set

Initial Heading Set

COM/NAV Set

**Taxi**

Exterior Lights Set

Brakes Check

Heading Indicator ±5°

Attitude Indicator Check

Turn Coordinator Check

**Engine Run-Up**

Parking Brake Set

Mixture Full Rich

Prop Full Forward

Throttle 2000 RPM

Mags Check L & R

(max drop 175; max Δ 50)

Alternate Air Check

Prop Cycle

( RPM  Man pres  Oil pres)

Vacuum 4.9″-5.1″

Load Meter Check

Fuel Pressure Check

Oil Pressure/Temp Check

Alternate Static Check

Annunciator Lights Check

Throttle Idle

**Before Take Off**

Flight Controls Check

Flight Instruments Check

Alternate Air Off

Flaps Set

Trim Set

Take Off Distance Briefed

Take Off Minimums Briefed

Departure Procedure Briefed

Lost Comms Briefed

*---- ENTERING RUNWAY ----*

Time Off Noted

Doors and Windows Closed

Exterior Lights Set

Fuel Pump On

Mixture Full Rich

Prop Full Forward

**After Take Off**

Landing Gear Up

Mixture Constant EGT

**Cruise**

Fuel Pump Off

Throttle & Prop ≤ 65% Power

Mixture 100-150°F ROP

**Approach & Landing**

Altimeter Set

DA/MDA Bugged in MSL

Airspeed < 129 KIAS

Landing Gear Down

Throttle 17″

Prop 2400 RPM

Mixture Constant EGT

Pitch 100 KIAS

**Go Around**

Throttle Full Power

Prop Full Forward

Landing Gear Up

*---- WHEN CALM ----*

Fuel Pump On

Mixture Full Rich

**V-Speeds**

VA 112-132 KIAS

VLE 129 KIAS

VLO 106 KIAS

VX 68 / 87 KIAS

VY 87 / 92 KIAS

VCC 104 KIAS

VREF (Normal) 95 KIAS

VREF (Short Field) 75 KIAS