

## PRE-START

- Park Brake **ON**
- Doors **LOCKED**
- Master Switch **ON**
- Avionics **OFF**
- Throttle  $\frac{1}{4}$  inch **OPEN**

*if engine is COLD, prime*

- Fuel Pump **ON**
- Mixture **RICH TL FLOW IND...**
- Fuel Pump **OFF**
- Mixture **IDLE CUT OFF**

- "Clear Prop" **ANNOUNCE**
- Starter **ENGAGE**
- Mixture **ADVANCE SMOOTHLY**

## AFTER START

- Oil Pressure **RISING/GREEN**
- Throttle **1000 RPM**
- Avionics **ON**

### SYMBOLS

- Δ Difference
- | OR
- & AND
- ≤ Less than or equal to
- ≥ Greater than or equal to

## RUN-UP

- Oil Temp **≥100°F**
- Park Brake **ON**
- Throttle **1800 RPM**
- Suction Gauge **NORMAL**
- Ignition 1 CHECK **≤125 RPM**
- Ignition 2 CHECK **≤125 RPM**
- Ignition 1/2 **Δ ≤50 RPM**
- Ammeter **CHECK CHARGE**
- Idle CHECK **≥600 RPM**
- Throttle **1000 RPM**

## PRE TAKE-OFF

- Trim **SET TKOF**
- Mixture **RICH**
- Prop Pitch **FULL FINE**
- Flight CTRL **FREE&CORRECT**
- Flaps **SET 10°**
- Fuel **BOTH&SUFF QTY**
- Instruments **CHECK**
- Switches **AS REQ**
- Hatches & Harnesses **CHECK**
- T/O Safety/DEP/TEM **BRIEF**

## HOLDING READY

- Lights **AS REQ**
- Camera **XPNDR 3000 ALT**
- Action **READY, REQ CLR**

## PRE LANDING

- Brakes **PRESSURE&OFF**
- Undercarriage **DOWN&LOCKED**
- Mixture **FULL RICH**
- Fuel **ON&SUFF QTY**
- Instruments **CHECK**
- Switches **AS REQ**
- Hatches & Harnesses **CHECK**

## AFTER LANDING

- Flaps **0°**
- Trim **SET TKOF**
- Lights **OFF**

## SHUT DOWN

- Park Brake **ON**
- Trim **SET TKOF**
- Throttle **MIN RPM**
- Avionics **OFF**
- Mixture **IDLE CUT OFF**
- Mags **OFF**
- Master **OFF**

## AFTER SHUT DOWN

- MR **if last FLT of day CLOSE**
- Hobbs/Tach **REC BOOK**
- Hobbs/Tach **REC OFFICE**
- Aircraft **SECURE & CLEAN**

## EMERG FORCED LDG

- Aviate, Navigate, Comm.
- Best Glide **65KIAS**
- Troubleshoot **F.A.S.T.**
- Fuel pump **ON**
- Fuel selectors **BOTH**
- Air **CARB HEAT N/A**
- Switches **MAGNETO BOTH**
- Switches **MASTER ON**
- Throttle **CYCLE**
- Turn over **ENGINE START**
- Field **SELECT**
- Wind
- Obstacles
- Size
- Shape
- Surface
- Slope
- Sun
- Shoots
- Surroundings/Buildings
- Communicate **MAYDAY**
- Passenger **BRIEF**
- Aircraft **SECURE**

## STALL ENTRY

- Clearing Turn **AS REQ**
- Height **RECOVER ≥3000 AGL**
- Aircraft **CONFIG, TRIM**
- Security **HARNES, OBJECTS**
- Engine **OPS NORMAL, P/T**
- Location **UNPOPUL, FLD AVBL**
- Lookout **TRAFFIC**
- Listen **CHECK FREQ**

## SPEEDS

- Vne **163KIAS**
- Vno **129KIAS**
- Va 1111kg (MTOW) **99KIAS**
- Va 728kg **82KIAS**
- Vfe 0-10° **110KIAS**
- Vfe 10-30° **85KIAS**
- Vs0 **33KIAS**
- Vs1 **44KIAS**
- Vx **60KIAS**
- Vy **79KIAS**
- Best Glide **65KIAS**
- Max crosswind **15KT**
- Max tailwind **10KT**

## FREQUENCIES

- YBAF ATIS **120.90MHz**
- YBAF SMC **119.90MHz**
- YBAF TWR (NORTH) **123.60MHz**
- YBAF TWR (SOUTH) **118.10MHz**
- YBAF CTAF **118.10MHz**
- YBAF AWIS **128.40MHz**
- YBAF PAL **118.10MHz**
- BN CEN Train. **125.70MHz**
- BN CEN 45NM N. **129.00MHz**
- BN CEN 14NM S. **119.50MHz**
- YHEC CTAF **119.00MHz**
- Southport CTAF **119.00MHz**
- YAMB ATIS **123.30MHz**
- GEN Air Distress **121.50MHz**

## ENGINE

- Model **Lycoming IO-360-L2A**
- Max RPM (cont.) **2400RPM**
- Block Fuel Burn **33L/hr**
- Min VFR Reserve **45min**
- Fuel **AVGAS100LL**
- Min Oil Temp **100°F**
- Max Oil QTY **8 QTZ**
- Min Oil QTY **6 QTZ**