

# AFAC - N214/5AF

## **BEFORE STARTING ENGINE**

Preflight Inspection – COMPLETE  
Logbook – ENTRY MADE  
Seats – ADJUST & LOCK (PAX BRIEF?)  
Seat Belts/Shoulder Harness – SECURE  
Avionics Power Switch – OFF  
Transponder/ADF/Lights – STANDBY/OFF/OFF  
Circuit Breakers – CHECK  
Fuel Selector Valve – BOTH  
Brakes – TEST & HOLD

## **STARTING ENGINE**

Beacon- ON  
Mixture – RICH  
Carburetor Heat – COLD  
Throttle – OPEN 1/8 INCH  
Prime – AS REQUIRED  
Master Switch – ON  
At Night: Nav & Panel Lights – ON  
Propeller Area – CLEAR  
Ignition Switch – START  
Oil Pressure – CHECK  
Throttle – 1000 RPM  
Mixture – LEAN 1 TO 1 1/2 INCHES  
Flaps – UP  
Heading Indicator – ALIGN  
Avionics Power Switch/Radios – ON  
Transponder – 1200/SELECT ALTITUDE  
ATIS – LISTEN

## **BEFORE TAKEOFF**

Brakes – APPLY & HOLD  
Doors/Windows – CLOSED & LOCKED  
Seat Belts/Shoulder Harness – SECURE  
Flight Controls – FREE & CORRECT

Flight Instruments – SET

Fuel Selector Valve – BOTH

Mixture- RICH (lean for airports above 3000 feet)

Elevator/Rudder Trim – TAKEOFF

Throttle – 1800 RPM

Magnetos – CHECK

RPM Drop  $\leq$  125 RPM

RPM Diff  $\leq$  50 RPM

Carburetor Heat – CHECK (for RPM drop)

Engine Instruments and Ammeter – CHECK

Suction Gage – CHECK

THROTTLE – 1000 RPM

Throttle Friction Lock – ADJUST

Radios/VOR – SET

### **NORMAL TAKEOFF**

Flaps - UP

Carburetor Heat - COLD

Strobe/Other Lights - ON/AS DESIRED

Brakes - RELEASE

Throttle - FULL OPEN

Nose Wheel - LIFT AT 55 KIAS

Climb Speed - 75 TO 85 KIAS

### **ENROUTE CLIMB**

Airspeed - 75 to 85 KIAS

Throttle - FULL OPEN

Mixture - RICH (LEAN above 3000 feet)

### **CRUISE**

Power- 2100-2700 RPM ( $\leq$  75% is recommended)

Mixture - LEAN

### **DESCENT**

Fuel Selector Valve - BOTH

Power - AS DESIRED

Mixture - ADJUST for smooth operation (rich at idle)

Carburetor Heat - AS REQUIRED

Brakes - TEST & RELEASE

Lights - AS DESIRED

**BEFORE LANDING** (review GUMPS prior to touchdown)

Seats/Seat Belts/Shoulder Harness - SECURE

Fuel Selector Valve - BOTH

Mixture - RICH

Carburetor Heat - ON

**BALKED LANDING**

Throttle - FULL OPEN

Carburetor Heat - COLD

Wing Flaps - 20° (immediately)

Climb Speed - 55 KIAS

**NORMAL LANDING REVIEW NOTES**

Airspeed - 65-75 (flaps UP)

Wing Flaps - AS DESIRED (0°-10° below 110 KIAS,  
10°-30° below 85 KIAS)

Airspeed - 60-70 KIAS (flaps DOWN)

Touchdown - MAIN WHEELS FIRST

Landing Roll - LOWER NOSE WHEEL GENTLY

Braking - MINIMUM REQUIRED

**AFTER LANDING**

When Clear Of Runway

Flaps - UP

Carburetor Heat - COLD

Mixture - LEAN 1 TO 1 1/2 INCHES

Throttle - 1000 RPM

Strobe/Other Lights - OFF/AS DESIRED

When Directed - SHIFT TO GRND CONTROL

**SECURING AIRCRAFT**

Brakes - APPLY & HOLD

Transponder - STANDBY

Avionics Power Switch - OFF

Throttle - IDLE

Magnetos - CHECK FOR GROUNDS

Throttle - 1000 RPM

Mixture - IDLE CUTOFF

Fuel Selector Valve - RIGHT TANK

All Lights - OFF

Master Switch - OFF

Ignition Switch - OFF

Control Lock - INSTALL

Logbook - ENTRY MADE

Checklist - IN GLOVE COMPARTMENT