

AFAC - N216AF

BEFORE STARTING ENGINE

Preflight Inspection – COMPLETE
Logbook – ENTRY MADE
Seats – ADJUST & LOCK (PAX BRIEF?)
Seat Belts/Shoulder Harness – SECURE
Avionics Power Switch – OFF
Transponder/Lights – STANDBY/OFF
Circuit Breakers – CHECK IN
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 Trim – TAKEOFF
Throttle – 1700 RPM
Magnetos – CHECK
RPM Drop \leq 125 RPM
RPM Diff \leq 50 RPM
Carburetor Heat – CHECK (for RPM drop)
Engine Instruments and Ammeter – 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
Elevator Control - LIFT NOSE WHEEL AT 55 KIAS
Climb Speed - 70 TO 80 KIAS

ENROUTE CLIMB

Airspeed - 70 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