

# NORMAL CHECKLIST AG5B

## PRE-FLIGHT

- 1 Magnetos ..... OFF
- 2 Mixture ..... IDLE CUT-OFF
- 3 Circuit Breakers ..... CK
- 4 Radios / Electrical Equipment ..... OFF
- 5 Alternate Static Air ..... OFF
- 6 Master Switch ..... ON
- 7 Fuel Gauges ..... CK
- 8 Lights / Pitot Heat ..... CK
- 9 Flaps ..... DOWN
- 10 Master Switch ..... OFF
- 11 Control Lock ..... OUT
- 12 Brakes ..... SET
- 13 COMPLETE EXTERIOR CHECK

## BEFORE STARTING

- 1 Passenger Briefing ..... COMPLETE
- 2 Master Switch ..... ON
- 3 ATIS / Departure Clearance ..... RECEIVED
- 4 Radios / Electrical Equipment ..... OFF
- 5 Fuel Selector ..... LOW TANK
- 6 Mixture ..... RICH
- 7 Throttle ..... OPEN 1/4 INCH
- 8 Carb Heat ..... COLD
- 9 Fuel Pump ..... ON / CK PRESSURE
- 10 Brakes ..... HOLD
- 11 Prime ..... AS REQD
- 12 Prop Area ..... CLEAR
- 13 Magnetos ..... ON/START
- 14 Oil Pressure ..... CK

## AFTER STARTING

- 1 Fuel Pump ..... OFF
- 2 Flaps ..... UP
- 3 Nav Lights ..... AS REQD
- 4 Comm / Nav Radios ..... ON / CK
- 5 Transponder ..... STANDBY
- 6 Auto Pilot ..... TEST
- 7 Altimeter ..... SET
- 8 Heading Indicator ..... SET
- 9 Pitot Heat ..... AS REQD

## TAXI

- 1 Brakes ..... CK
- 2 Flight Instruments ..... OPERATING

## RUN-UP

- 1 Brakes ..... HOLD
- 2 Fuel Selector ..... FULL TANK
- 3 Mixture ..... RICH
- 4 Throttle ..... 1800 RPM
  - a. Engine Inst ..... CK
  - b. Ammeter ..... LOAD / CK
  - c. Volt Meter ..... 22-28 VOLTS
  - d. Vacuum ..... 4.6 - 5.4" Hg
  - \* e. Magnetos ..... R/BOTH - L/BOTH
  - f. Carb Heat ..... ON / CK RPM / OFF
- 5 Throttle ..... 1000 RPM

\* Max drop 175 RPM each  
Max difference 50 RPM

## BEFORE TAKE-OFF

- 1 Controls ..... FREE / CORRECT
- 2 Trim ..... TAKE-OFF
- 3 Flaps ..... ZERO DEGREES
- 4 Auto Pilot ..... CK / OFF
- 5 Flight Instruments ..... SET
- 6 Engine Instruments ..... CK
- 7 Circuit Breakers ..... CK
- 8 Fuel Pump ..... ON
- 9 Fuel Selector ..... CONFIRM FULL TANK
- 10 Throttle Friction ..... ADJUST
- 11 Mixture ..... RICH
- 12 Seats ..... LOCKED
- 13 Seat Belts ..... SECURE
- 14 Canopy ..... LATCHED
- 15 Altimeter ..... SET
- 16 Departure Clearance ..... RECEIVED
- 17 Comm / Nav Radios ..... SET

## HOLD BARS / HOLD SHORT

- 18 Bcn/Strobe Lights ..... ON
- 19 Transponder ..... ALT
- 20 Compass & H/I ..... RUNWAY HEADING
- 21 Time Off ..... NOTE

## TAKE-OFF CHECKLIST COMPLETE

## AFTER TAKE-OFF (SAFE ALTITUDE)

- 1 Engine Instruments ..... CK
- 2 Ammeter ..... CK
- 3 Vacuum ..... 4.6 - 5.4" Hg

## CRUISE

- 1 Flight Instruments ..... CK
- 2 Engine Instruments ..... CK
- 3 Fuel Pump ..... OFF
- 4 Fuel Pressure ..... CK
- 5 Cruise Power ..... POWER CHART
- 6 Mixture ..... LEAN
- 7 Ammeter ..... CK
- 8 Vacuum ..... 4.6 - 5.4" Hg
- 9 Fuel Selector ..... AS REQD

## DESCENT

- 1 Altimeter ..... SET
- 2 Mixture ..... AS REQD
- 3 Carb Heat ..... AS REQD

## IN RANGE

- 1 Approach/Missed Approach ..... REVIEW
- 2 App Nav/Mkr Bcn Audio ..... ON
- 3 Flight Instruments ..... CK
- 4 Engine Instruments ..... CK
- 5 Ammeter ..... CK
- 6 Vacuum ..... 4.6 - 5.4" Hg
- 7\*\* Fuel Pump ..... ON
- 8 Mixture ..... RICH
- 9 Fuel Selector ..... FULL TANK
- 10 Brakes ..... CK

## BEFORE LANDING

- 1 Carb Heat ..... AS REQD
- 2 Auto Pilot ..... AS REQD
- 3 No Nav Flags ..... CK
- 4 Flaps ..... AS REQD

## LANDING CHECKLIST COMPLETE

## AFTER LANDING

- 1 Flaps ..... UP
- 2 Fuel Pump ..... OFF
- 3 Pitot Heat ..... OFF
- 4 Bcn/Strobe Lights ..... OFF
- 5 Carb Heat ..... OFF
- 6 Transponder ..... STANDBY

\*\* For multiple take-offs and landings

## SHUTDOWN

- 1 Brakes ..... SET
- 2 Trim ..... TAKE-OFF
- 3 Radios ..... OFF
- 4 All Electrical Equipment ..... OFF
- 5 Mixture ..... IDLE CUT-OFF
- 6 Magnetos ..... OFF
- 7 Master ..... OFF
- 8 Control Lock ..... IN
- 9 Map/Dome & Panel Lights ..... OFF
- 10 Tiedowns / Chocks ..... SECURE
- 11 Brakes ..... RELEASE
- 12 Canopy ..... LOCK
- 13 Flight Plan ..... CLOSE

## NORMAL OPERATING SPEEDS

| <u>Tiger</u>                     | <u>KIAS</u> |
|----------------------------------|-------------|
| Vso Stall Dirty                  | 54          |
| Vs Stall Clean                   | 57          |
| Vr Rotate                        | 50-55       |
| Vx Best Angle                    | 70          |
| Vy Best Rate                     | 90          |
| Cruise Climb                     | 90          |
| Normal Approach                  | 70          |
| Va Maneuvering                   | 112         |
| Best Glide                       | 72          |
| Demonstrated Crosswind Component | 16 KTS      |
| Minimum Octane Fuel              | 100         |