

NORMAL CHECKLIST AA5A / AA5B

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 / OFF
- 10 Brakes HOLD
- 11 Prime AS REQD
- 12 Prop Area CLEAR
- 13 Magnetos BOTH
- 14 Starter ENGAGE
- 15 Oil Pressure CK

AFTER STARTING

- 1 Flaps UP
- 2 FL BCN / Nav Lights AS REQD
- 3 Comm / Nav Radios ON / CK
- 4 Transponder STANDBY
- 5 Altimeter SET
- 6 Heading Indicator SET
- 7 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. Vacuum 4.6 - 5.4" Hg
 - * d. Magnetos R/BOTH - L/BOTH
 - e. 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 Primer LOCKED
- 13 Seats LOCKED
- 14 Seat Belts SECURE
- 15 Canopy LATCHED
- 16 Altimeter SET
- 17 Departure Clearance RECEIVED
- 18 Comm / Nav Radios SET

HOLD BARS / HOLD SHORT

- 19 Strobe Lights ON
- 20 Transponder ALT
- 21 Compass & H/I RUNWAY HEADING
- 22 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

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 Strobe Lights OFF
- 5 Carb Heat OFF
- 6 Transponder STANDBY

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>Cheetah</u>	<u>KIAS</u>
Vso Stall Dirty	54
Vs Stall Clean	56
Vr Rotate	50-55
Vx Best Angle	68
Vy Best Rate	79
Cruise Climb	85
Normal Approach	70
Va Maneuvering	105
Best Glide	72
Demonstrated Crosswind Component	16 KTS
Minimum Octane Fuel	80/87

<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

** For multiple take-offs and landings