

NORMAL CHECKLIST AA5

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 Master Switch / Electrical Equipment OFF
- 5 Fuel Selector (max fuel 37 gal) ... LOW TANK
- 6 Mixture RICH
- 7 Throttle OPEN 1/4 INCH
- 8 Carb Heat COLD
- 9 Master Switch ON
- 10 Fuel Pump ON / CK PRESSURE / OFF
- 11 Brakes HOLD
- 12 Prime AS REQD
- 13 Prop Area CLEAR
- 14 Magnetos BOTH
- 15 Starter ENGAGE
- 16 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 Auto Pilot TEST
- 6 Altimeter SET
- 7 Heading Indicator SET
- 8 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

Traveler	KLAS
Vso Stall Dirty	51
Vs Stall Clean	54
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	100
Maximum Useable Fuel Load	37 GAL

** For multiple take-offs and landings