

Aero Commander 500

Microsoft Flight Simulator 2004

Aircraft and Panel by Milton Shupe, Scott Thomas and André Folkers



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Other simulator checklists and other sim/real aviation items available for download at <http://www.faatest.com> and <http://www.faatest.com/downloads/simchecklists/simchecklists.html>

100 KTS ≈ 115,4 MPH

Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Magneto Levers	OFF
Battery & Generator Switches	OFF
Fuel Boost Pump Switches	OFF
Avionics	OFF
Landing Gear Lever	CHECK DOWN
Flaps	UP
Propeller	HIGH RPM
Fuel Flow / Mixture	CUTOFF
Fuel Selectors	ON
Battery Switch	ON
Panel Lights	ON if required
Fuel Quantity	CHECK
Flight controls	CHECK
Avionics Master Switch	ON
Elevator Trim	SET for takeoff
Check Weather	(ATIS, Flight Services)
<i>Request Clearance</i>	
Transponder	STANDBY
Beacon	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Fuel Flow / Mixture	FULL RICH
Throttle	FULL
Fuel Boost Pumps	HI until fuel flow peaks, then OFF
Throttle	IDLE, cracked
Carburetor Heat	ON
Left Magneto Lever	BOTH
Left Primer	ON
Left Engine Start Button	START
Left Oil Pressure	CHECK
Left Generator Switch	ON
Repeat for right engine	
Throttle	IDLE
Loadmeter / Voltmeter	CHECK

100 MPH ≈ 86,7 KTS



Taxi To Ramp

Strobe Lights	OFF
Flaps	RETRACT
Landing Lights	OFF
Speed	Max. 20 knots
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Carburator Heat	OFF
Fuel Boost Pumps	OFF
Avionics Switch	OFF
Nav (Pos) Lights	OFF
Pitot Heat	OFF
Fuel Flow	CUTOFF
Fuel Selectors	OFF
Magneto Levers	OFF
Beacon	OFF
Panel Light	OFF
Battery Switch	OFF
Generator Switches	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF



Before Taxi Checklist

Nav (Pos) Lights	ON
Heading Indicator / Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF
<i>Request Taxi Clearance</i>	

Taxi Checklist

Parking Brake	RELEASE
Taxi to assigned runway	SPEED Max. 20 knots
Brakes	CHECK during taxi
Directional Gyro	PROPER IND. during turns
Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns

Before Take-off Checklist

Parking Brake	SET
Fuel Quantity	CHECK
Throttle	IDLE
Propeller	HIGH RPM
Mixture	FULL RICH
Elevator Trim	SET for takeoff
Flaps	10 deg
Flight Controls	FREE AND CORRECT
Radios and Avionics	SET
Landing Lights	ON
Strobe Lights	ON
Pitot Heat	ON
Engine Instruments	CHECK
Transponder	ON
<i>Request Takeoff Clearance</i>	

Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 = Vr	85 MPH IAS (decision/rotate)
Pitch	10 degrees
V2 =	90 MPH IAS (safety speed)
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
Trim for climb to maintain	110 MPH IAS
Flaps	RETRACT
Annunciator Lights	CHECK OFF
Engine Instruments	CHECK

Climb-out Checklist

Autopilot	CHECK and SET
Carburator Heat	OFF
Airspeed	125 MPH IAS 22"
Climb Rate	1200 fpm
Engine Instruments	MONITOR
ATC	AS REQUIRED
Landing Lights	OFF
At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)	

Cruise Checklist

Accelerate to cruise speed @10'000 ft	180 MPH IAS 20"
	2400 RPM
Service Ceiling	21'000 ft
Engine+Instruments	CHECK
Engine Temperatures	STABILIZE at cruise cond.
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET
Lights	as required
Engine Instruments	CHECK

Descent Checklist

Atis/Airport Information	CHECK
Altimeter	CHECK
Radios	SET
Descent Speed	180 MPH IAS 13"
Descent Rate	-1200 fpm
Landing Gear and Flaps	CHECK UP
Fuel Balance	CHECK
At Transition Altitude (FL180) reset Altimeter to local	
Check Weather	(ATIS, Flight Services)

Approach Checklist

Localizer Level Flight :

Landing Lights	ON
Fuel Boost Pumps	LO
Carburator Heat	ON
Propeller	HIGH RPM
Mixture	FULL RICH
Speed: Establish	120 MPH IAS 13"
Flaps	10 deg
Speed: Establish	110 MPH IAS 14"
Flaps	20 deg
Speed: Establish	100 MPH IAS 16"
Landing Gear	DOWN
Turning toward runway: set flaps	30 deg or FULL DOWN

Final Glideslope Descent :

Speed: Establish	90 MPH IAS 15"
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF

Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	85 MPH IAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL