

Aero Commander 520

Microsoft Flight Simulator 2004

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



Werner Schott
Switzerland
w.schott@abbts.ch



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
Check Weather	(ATIS, Flight Services)
Anti-ice Switch	TEST/CHECK
<i>Request Clearance</i>	
Transponder	STANDBY
Beacon	ON

Startup Checklist

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

100 MPH ≈ 86,7 KTS



Taxi To Ramp

Nav Lights	STEADY
Flaps	RETRACT
Landing Lights	OFF
Anti-ice	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 Lights	OFF
Pitot Heat	OFF
Fuel Flow	CUTOFF
Fuel Selectors	OFF
Magneto Levers	OFF
Beacon	OFF
Panel Light	OFF
Battery Switch	OFF
Generator Switch	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

Before Taxi Checklist

Nav Lights	STEADY ON
Heading Indicator / Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF

Request Taxi Clearance

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
Nav Lights	FLASH ON
Pitot Heat	ON
Anti-ice	AS REQUIRED
Engine Instruments	CHECK
Fuel Boost Pumps	ON
Transponder	ON

Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to	FULL	
Brakes	RELEASE	
V1 = Vr	85 MPH IAS (decision/rotate)	
Pitch	10 degrees	
V2 =	95 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	130 MPH IAS	20"
Fuel Boost Pumps	ON	
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	190 MPH IAS	20"
Service Ceiling		24'000 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	190 MPH IAS	15"
Descent Rate	-1000 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	ON	
Carburator Heat	ON	
Propeller	HIGH RPM	
Mixture	FULL RICH	
Speed: Establish	130 MPH IAS	14"
Flaps	10 deg	
Speed: Establish	115 MPH IAS	16"
Flaps	20 deg	
Speed: Establish	105 MPH IAS	18"
Landing Gear	DOWN	
Turning toward runway: set flaps	30 deg or FULL DOWN	

Final Glideslope Descent :

Speed: Establish	95 MPH IAS	17"
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	
Anti-ice	AS REQUIRED	

Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	90 MPH IAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL