

# 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

100 MPH ≈ 86,7 KTS

### 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) |
| <b>Request Clearance</b>     |                         |
| 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                              |



## 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

*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
Strobe Lights	ON
Pitot Heat	ON
Engine Instruments	CHECK
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 =	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
<b>ATC</b>	<b>AS REQUIRED</b>
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