

Lockheed Electra 10A

Microsoft Flightsimulator 2002

Aircraft : Model by Dave Eckert. Air file, and paint Fred Choate
(with Dave Eckerts original metal texture)

Panel : By Fred Choate



Werner Schott
Switzerland
w.schott@abts.ch



Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Avionics Master Switch	OFF
Landig Gear Lever	CHECK DOWN
Flaps	UP
Propeller	HIGH RPM
Fuel Selector	BOTH
Fuel Flow / Mixture	CUTOFF
Battery Switch	ON
Fuel Quantity	CHECK
Flight controls	CHECK
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)
<i>Request Clearance</i>	
Transponder	SET
Beacon	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Propeller	HIGH RPM
Fuel Flow / Mixture	FULL RICH
Throttle	IDLE, cracked
Right Magnetos	BOTH
Engine Start Switch	START (repeatedly until engine starts)
Left Magnetos	BOTH
Engine Start Switch	START (repeatedly until engine starts)
Generator Switch	ON
Oil Pressure	CHECK
Loadmeter+Voltmeter	CHECK

Taxi To Ramp

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

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Avionics Switch	OFF
Nav Light	OFF
Strobe Light	OFF
Pitot Heat	OFF
Fuel Flow	CUTOFF
Fuel Selector	OFF
Magnetos	OFF
Beacon	OFF
Battery Switch	OFF
Generator Switch	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

Before Taxi Checklist

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

Request Taxi Clearance

Taxi Checklist

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

Before Take-off Checklist

Parking Brake	SET
Pitot Heat	ON
Landing Lights	ON
Fuel Quantity	CHECK
Throttle	IDLE
Propeller	HIGH RPM
Mixture	FULL RICH
Elevator Trim	SET for takeoff
Flaps	Set 1
Flight Controls	FREE AND CORRECT
Engine Instruments	CHECK
Radios and Avionics	SET

Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to	FULL	28"
Brakes	RELEASE	
At 55 MPH	apply forward yoke until tail lifts to horizontal	
V1 =	80 MPH IAS (decision)	
Vr =	85 MPH IAS (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	
At 500' AGL	FLAPS UP	
Annunciator Lights	CHECK OFF	
Engine Instruments	CHECK	

Climb-out Checklist

Autopilot	CHECK and SET	
Landing Lights	OFF	
Climb Speed	120 MPH IAS	22"
Climb Rate	700 fpm	
Engine Instruments	MONITOR	
<i>ATC</i>	<i>AS REQUIRED</i>	

Cruise Checklist

Accelerate to cruise speed	165 MPH IAS	22"
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	140 MPH IAS	12"
Descent Rate	-700 fpm	
Flaps	CHECK UP	
Landing Gear	CHECK UP	
Fuel Balance	CHECK	
Check Weather	(ATIS, Flight Services)	

Approach Checklist

Localizer Level Flight :

Propeller	HIGH RPM	
Mixture	FULL RICH	
Speed: Establish	125 MPH IAS	16"
Landing Lights	ON	
Flaps	SET 1	
Speed: Establish	105 MPH IAS	18"
Flaps	Set 2	
Speed: Establish	95 MPH IAS	18"
Landing Gear	DOWN	
Turning toward runway: set flaps	3 - 4	

Final Glideslope Descent :

Speed: Establish	85 MPH IAS	15"
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	

Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	80 MPH IAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER TAIL WHEEL