

Lockheed L-1049G Super Constellation Microsoft Flight Simulator X

Aircraft and Panel :

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Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Battery Switch	ON
Panel Lights	ON if required
Inverter Switch	ON
Landing Gear Lever	CHECK DOWN
Flaps	UP
Elevator Trim	SET for takeoff (+15)
Radios	ON
Generator Switches	ON
Cowl Flaps	OPEN
Propellers	HIGH RPM
Mixture Lever	CUTOFF
Fuel Quantities	CHECK
Emergency Fuel Shutoff Valves	OPEN
Fuel Tank Valves	OPEN
Fuel Cross Feed Valves	CLOSED
Flight controls	CHECK
Passenger Signs	ON
Check Weather	(ATIS, Flight Services)
Anti-ice Switches	TEST/CHECK/OFF
Request Clearance	
Transponder	STANDBY
Beacon	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	IDLE, cracked
Propellers	HIGH RPM
Mixture Lever	AUTO-RICH
Carburetor Air	COLD
Engine Selector Switch:	Engine 3
Start Switch	ENGAGE, rotate prop six blades
Magnetos	BOTH
Auxiliary Fuel Pump	LOW
Prime	AS REQUIRED





Start Switch
Stabilize
Oil Pressure
Auxiliary Fuel Pump

ON (hold until engine starts)
at 1200 RPM
CHECK
OFF

Repeat for
Engine Selector Switch
Loadmeter/Voltmeter

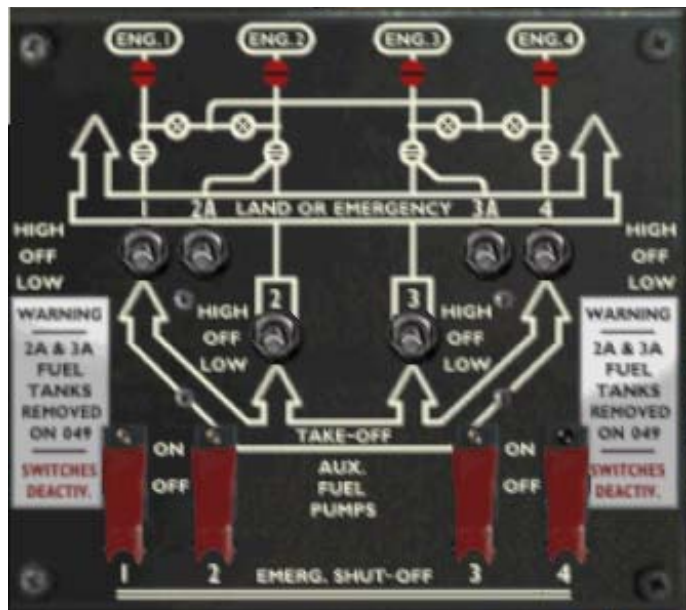
Engine 4 - 2 - 1
OFF
CHECK for CHARGE

Before Taxi Checklist

Nav Lights
Taxi Lights
Heading Indicator / Altimeter
Instruments
Radios and Avionics
Autopilot

ON
ON
SET
NORMAL OPERATION
CHECKED and SET
OFF

Request Taxi Clearance



Taxi Checklist

Parking Brake
Taxi to assigned runway
Brakes
Directional Gyro
Turn Coordinator
Artificial Horizon

RELEASE
SPEED Max. 20 knots
CHECK during taxi
PROPER IND. during turns
PROPER IND. during turns
ERECT during turns

Engine Runup

Parking Brake
Throttles
Propellers

SET
1700 RPM
FULL RPM
DECREASE to 1350 RPM,
then FULL RPM
FULL DECREASE,
then FULL INCREASE

Propeller Synchronizer	ON
Feathering	CHECK
Ignition, Engines 1 and 4	CHECK L, BOTH, R, BOTH
	CHECK drop <100 RPM each
Ignition, Engines 2 and 3	CHECK L, BOTH, R, BOTH
	CHECK drop <100 RPM each
Generators	CHECKED, ON
Loadmeter/Voltmeter	CHECK for CHARGE
Throttles	IDLE

Before Take-off Checklist

Parking Brake	SET
Throttle	IDLE
Propellers	HIGH RPM
Mixture Lever	AUTO RICH
Cowl Flaps	40%
Auxiliary Fuel Pumps	HIGH
Elevator Trim	SET for takeoff (+15)
Flaps	TAKEOFF Pos. (STAGE 1)
Flight Controls	FREE AND CORRECT
Radios and Avionics	SET
Landing Lights	ON
Taxi Lights	OFF
Carburator Air	COLD
Pitot Heat	ON
Anti-ice	AS REQUIRED
Engine Instruments	CHECK
Transponder	ON

Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 =	100 KIAS (decision)
Vr =	105 KIAS (rotate)



Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Passenger Signs	OFF
Autopilot Master	OFF
Radios	OFF
Taxi Lights	OFF
Nav Light	OFF
Pitot Heat	OFF
Fuel Tank Valves	CLOSE
Mixture Lever	CUTOFF
Magnetos	OFF
Beacon	OFF
Inverter Switch	OFF
Generator Switches	OFF
Cowl Flaps	CLOSE
Panel Lights	OFF
Battery Switch	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF



Pitch	10 degrees
V2 =	115 KIAS (safety speed)
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
At 130 KIAS flaps	RETRACT
Trim for climb to maintain	145 KIAS
Propellers	2300 RPM
Annunciator Lights	CHECK OFF
Engine Instruments	CHECK

Climb-out Checklist

Stage 1 - Up to 1'000 ft AGL

Autopilot	CHECK and SET	
Airspeed	160 KIAS	35"
Propellers	2300 RPM	
Climb Rate	1200 fpm	

Stage 2 - Up to 9'000 ft

Cowl Flaps	30%	
Airspeed	160 KIAS	35"
Propellers	2300 RPM	
Climb Rate	1200 fpm	
Passenger Signs	OFF	

Stage 3 - Above 9'000 ft

Landing Lights	OFF	
Airspeed up to 21'000 ft	160 KIAS	35"
Propellers	2300 RPM	
Climb Rate	1000 fpm	
At Transition Altitude (FL180) set Altimeter to	29,92" (1013mb)	
Airspeed above 21'000 ft	145 KIAS	32"
Propellers	2300 RPM	
Climb Rate	800 fpm	
Cowl Flaps	AS REQUIRED	
Auxiliary Fuel Pumps	LOW	
Engine Instruments	MONITOR	
ATC	AS REQUIRED	

Cruise Checklist

Accelerate to cruise speed	190 KIAS	31"
Propellers	2300 RPM	
Typical Cruising Altitude	24'000 ft	
Engine+Instruments	CHECK	
Cowl Flaps	AS REQUIRED	
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	
Cowl Flaps	10%	
Descent Speed	200 KIAS	20"
Propellers	2000 RPM	
Descent Rate	- 1000 fpm	
Flaps	CHECK UP	
Landing Gear	CHECK UP	
Fuel Balance	CHECK	
At Transition Altitude (FL180) reset Altimeter to local		
Check Weather	(ATIS, Flight Services)	

Approach Checklist

Maximum Landing Weight 77'800 lbs !!!

Localizer Level Flight :

Passenger Signs	ON
Landing Lights	ON
Auxiliary Fuel Pumps	HIGH
Auto Feathering	ON

Cowl Flaps	30%
Propellers	2300 RPM
Mixture	FULL RICH
Speed: Establish	160 KIAS 22"
Flaps	TAKEOFF Pos. (STAGE 1)
Speed: Establish	140 KIAS 24"
Flaps	STAGE 2
Speed: Establish	125 KIAS 28"
Landing Gear	DOWN
Turning toward runway: set flaps	LANDING Pos. (STAGE 3)
Final Glideslope Descent :	
Speed:- Establish	105 KIAS 23"
Parking Brake	VERIFY OFF

Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	100 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Cowl Flaps	OPEN

Taxi To Ramp

Flaps	RETRACT
Taxi Lights	ON
Landing Lights	OFF
Propellers	HIGH RPM
Propeller Synchronizer	OFF
Auxiliary Fuel Pumps	OFF
Anti-ice	OFF
Speed	Max. 20 knots
Elevator Trim	SET for takeoff (+15)
Avionics/Radios	AS REQUIRED
Transponder	1200