



Learjet 45

Microsoft Flight Simulator 2004

Aircraft : Default Learjet 45
 Panel : Default Learjet 45



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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>

Pre-Start Checklist

Parking Brake	SET
Throttle	IDLE
Fuel Flow	OFF (Ctrl-Shift-F1)
BATT Master Switch	ON
WARN Display	ON
Gear Lever	CHECK DOWN
Flaps	UP
Spoiler	RETRACTED
Fuel Quantity	CHECK
L and R GEN Switches	OFF
Engine Instruments	CHECK
Pitot Heat / De-Ice / Aircraft Lighting	OFF
Flight controls	CHECK
Check Weather	(Atis, Flight Services)
Request Clearance	
Beacon / Strobe Light	ON
Transponder	STANDBY

Startup Checklist

Thrust Levers	IDLE
Engine Area	CLEAR
Fuel Flow	ON (Ctrl-Shift-F4)
Eng 1 Start Switch	START (hold)
Fuel Flow	CHECK
N1 increasing as N2 incr.	CHECK
Oil Pressure	CHECK
Eng 2 Start Switch	START (hold)
Fuel Flow	CHECK
N1 increasing as N2 incr.	CHECK
Oil Pressure	CHECK
Engine Instruments	CHECK NORMAL
L and R GEN Switches	ON
De-Ice	AS REQUIRED



Landing Checklist

Autoland	Available ?
Landing Gear	CHECK DOWN
Autopilot / Autothrottle	OFF
Landing Speed	135 KIAS
After touchdown	Apply Reverse Thrust, at 60 kts: Cancel Reverse Thrust
Spoilers	VERIFY EXTENDED
Brakes	AS REQUIRED

Taxi To Ramp

Flaps	UP
Spoilers	RETRACTED
Landing Lights	OFF
Speed	Max. 20 knots
Transponder	OFF
Elevator Trim	TAKEOFF SETTING
Lights	AS DESIRED

Shutdown Checklist

Brake	SET
Throttle	IDLE
Passenger Signs	OFF
Pitot Heat / De-Ice	OFF
Nav Lights	OFF
F/D	OFF
Fuel Flow	OFF (Ctrl-Shift-F1)
Engine Start Switches 1 – 2	OFF
L and R GEN Switches	OFF
Beacon / Strobe Light	OFF
BATT Master Switch	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

Before Taxi Checklist

Nav Lights	ON
Heading Indicator/Altimeters	SET
Standby Instruments	SET
Radios and Avionics	SET FOR DEPARTURE
Autopilot	SET and OFF
Autothrottle	ARMED
F/D	ON
VOR1/VOR2	SELECT
Yaw Damper	ON AS REQUIRED
Elevator Trim	SET for takeoff

Request Taxi Clearance

Taxi Checklist

Fasten Seat Belts	ON
No Smoking Sign	ON
Parking Brake	RELEASE
Taxi to assigned runway	SPEED Max. 20 knots
Brakes	CHECK during taxi
Directional Gyro / Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns

Before Take-off Checklist

Brakes	SET
Throttle	IDLE
Flaps	8 deg
Spoilers	RETRACTED
Flight Instruments	CHECKED
Engine Instruments	CHECK
Takeoff Data (V1, VR, V2)	CHECK
Nav Equipment	CHECK
Landing Lights	ON
Pitot Heat	ON
De-Ice	AS REQUIRED
Transponder	ONSTANDBY

Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to Takeoff Thrust	40% N1 let spool up FULL
Brakes	RELEASE
V1 =	120 KIAS (decision)
Vr =	130 KIAS (rotate)
Pitch	10-15 deg. nose up
V2 =	140 KIAS (safety speed)
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
At 210 KIAS	RETRACT flaps up

Climb-out Checklist

Throttle	AS REQUIRED
Trim for	240 KIAS
Autopilot/Autothrottle	CHECK and SET
Below 10000' max. speed	250 KIAS
ATC	AS REQUIRED
Fasten Seat Belts	OFF
No Smoking Sign	OFF
Above 10000' speed	280 KIAS
Landing Lights	OFF

Cruise Checklist (above FL 180)

At Transition Altitude (FL180) set Altimeter to	29,92" (1013mb)
Accelerate to cruise speed	FL180 0.65 mach (320 KIAS)
	FL240 0.73 mach (322 KIAS)
	FL280 0.80 mach (327 KIAS)
	FL330 0.80 mach (292 KIAS)
Engine+Instruments	CHECK
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET
De-Ice	AS REQUIRED
Lights	AS REQUIRED

Descent Checklist

Atis/Airport Information	CHECK
Altimeter	CHECK
Radios	SET
De-Ice	AS REQUIRED
Descent Speed	to FL240 0.73 mach
	to FL180 0.65 mach
At Transition Altitude (FL180) reset Altimeter to local	to FL120 280 KIAS
	below 10'000ft 240 KIAS
Fuel Quantities and Balance	CHECK
Flaps / Landing Gear	CHECK UP
Check Weather	(ATIS, Flight Services)

Approach Checklist

Localizer Level Flight :

Fasten Seat Belts	ON
No Smoking Sign	ON
Avionics + Radios	SET
Speed: Establish	200 KIAS
Landing Lights	ON
Auto Spoilers	ARM
Flaps	8 deg
Speed: Establish	180 KIAS
Flaps	20 deg
Speed: Establish	155 KIAS
Landing Gear	DOWN
Turning toward runway: set flaps	30 deg or FULL

Final Glideslope Descent :

Speed Establish	145 KIAS
Park Brakes	VERIFY OFF
De-Ice	AS REQUIRED