



Learjet 45

Microsoft Flightsimulator 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 | OFF |
| De-Ice | OFF |
| Nav Lights | OFF |
| F/D | OFF |
| 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 |
| Brakes | FULL |
| V1 = | RELEASE |
| Vr = | 120 KIAS (descision) |
| Pitch | 130 KIAS (rotate) |
| V2 = | 10-15 deg. nose up |
| At Positive Climb Rate | 140 KIAS (safety speed) |
| Landing Gear | Touch Brakes |
| At 210 KIAS | RETRACT |
| | 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 |