



Learjet 45

Microsoft Flightsimulator 2002

Aircraft : Default Learjet 45
Panel : Default Learjet 45



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Pre-Start Checklist

| | |
|---|-------------------------|
| Parking Brake | SET |
| Throttle | IDLE |
| 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) |
| <i>Request Clearance</i> | |
| Transponder | SET |
| Beacon / Strobe Light | ON |

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 |
| Pitot Heat | ON |
| De-Ice | AS REQUIRED |

Landing Checklist

| | |
|-----------------|---|
| Autoland | Available ? |
| Landing Gear | CHECK DOWN |
| Autopilot | OFF |
| 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 |
| 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 |

Before Taxi Checklist

| | |
|-------------------------------|-------------------|
| Nav Lights | ON |
| Heading Indicator/Altimeters | SET |
| Standby Instruments | SET |
| 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 |
| <i>Request Taxi Clearance</i> | |

Taxi Checklist

| | |
|-------------------------|---------------------|
| Fasten Seat Belts | ON |
| No Smoking Sign | ON |
| Brakes | RELEASED |
| Taxi to assigned runway | SPEED Max. 20 knots |

Before Take-off Checklist

| | |
|----------------------------------|-----------|
| Brakes | SET |
| Throttle | IDLE |
| Flaps | 8 deg |
| Spoilers | RETRACTED |
| Landing Lights | ON |
| Flight Instruments | CHECKED |
| Engine Instruments | CHECK |
| Takeoff Data (V1, VR, V2) | CHECK |
| Nav Equipment | CHECK |
| <i>Request Takeoff Clearance</i> | |

Take-off Checklist

| | |
|-----------------------------|-------------------------|
| Smoothly increase thrust to | 40% N1 let spool up |
| Takeoff Thrust | FULL |
| Brakes | RELEASE |
| V1 = | 120 KIAS (descision) |
| 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 |
| Landing Lights | OFF |
| Below 10000' max. speed | 250 KIAS |
| ATC | AS REQUIRED |
| Fasten Seat Belts | OFF |
| No Smoking Sign | OFF |
| Above 10000' speed | 280 KIAS |

Cruise Checklist (above FL 180)

| | |
|---|-----------------|
| At Transition Altitude (FL180) set Altimeter to | 29,92" (1013mb) |
| Accelerate to cruise speed | FL180 0.65 mach |
| | FL240 0.73 mach |
| | FL280 0.80 mach |
| | FL330 0.80 mach |
| Engine+Instruments | CHECK |
| Fuel Quantity | CHECK |
| Radios | TUNED and SET |
| Autopilot | CHECK and SET |
| 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 |

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 | 160 KIAS |
| Landing Gear | DOWN |
| Turning toward runway: set flaps | 30 deg or FULL |

Final Glideslope Descent :

| | |
|-----------------|------------|
| Speed Establish | 145 KIAS |
| Park Brakes | VERIFY OFF |