

Boeing 747 Checklist

Before Start Checklist

Parking Brake – SET
Throttle – IDLE
Fuel Flow – CUTOFF
BATT Master Switch - ON (Shift+M)
Panel Lights - As Required
Gear Lever - CHECK DOWN
Flaps – UP
Spoiler – RETRACTED
Fuel Quantity – CHECK
Engine Instruments – CHECK
Anti-Ice / Aircraft Lighting – OFF
Flight controls – CHECK
Elevator Trim - TAKEOFF SETTING
Avionics – ON
Fasten Seat Belts – ON
No Smoking Sign – ON
Check Weather (Atis, Flight Services)
Anti-Ice - TEST/CHECK
Request Clearance
Transponder – STANDBY
Beacon - ON

Start-Up Checklist

Thrust Levers – IDLE
Engine Area – CLEAR
MFD - EICAS2
Engine Starting Sequence : 1 - 4 - 3 – 2
Eng 1 Start Switch START (Hold)
At N2 > 20% Fuel Flow Eng 1 – ON
Fuel Flow – CHECK
N1 increasing as N2 incr. – CHECK
Repeat for Eng. 4 - 3 – 2
Anti-Ice - AS REQUIRED
MFD - EICAS 1

Before Taxi Checklist

Nav Lights – ON
Taxi Lights – ON
Heading Indicator – SET
Altimeters – SET
Standby Instruments – SET
Radios and Avionics - SET FOR DEPARTURE
Autopilot - SET (Don't Activate)
Autothrottle / Speed - SET (Don't Activate)
Flight Director – ON
Yaw Damper - ON AS REQUIRED
Autobrake - RTO

Boeing 747 Checklist

Elevator Trim - SET for takeoff
Request Taxi Clearance

Taxi Checklist

Parking Brake – RELEASED
Brakes/Gyro/Turn Coordinator - CHECK
Taxi to Assigned Runway (Speed Max 20 knots)

Before Take-off Checklist

Brakes – SET
Throttle – IDLE
Flaps - 10 deg
Spoilers – RETRACTED
Flight Instruments – CHECKED
Engine Instruments – CHECK
Takeoff Data (V1, VR, V2) – CHECK
Nav Equipment – CHECK
Landing Lights – ON
Taxi Lights – OFF
Strobe Light – ON
Anti-Ice - AS REQUIRED
Transponder – ON
Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to 40% N1 let spool up
Takeoff Thrust FULL or TO/GA
Brakes – RELEASE
V1 = 165 KIAS (Decision)
Vr = 175 KIAS (Rotate)
Pitch 10 deg. Nose Up.
V2 = 185 KIAS (Safety Speed)
Positive Climb Rate - Touch Brakes
Landing Gear – RETRACT
At 200 KIAS - RETRACT Flaps to Position 1
At 220 KIAS - RETRACT Flaps Retracted

Climb-out Checklist

Throttle - AS REQUIRED
Trim for - 250 KIAS
Autothrottle - ARM and SET
Autopilot - ON and SET
Autobrake – OFF
Below 10000 - Max Speed 250 KIAS
ATC As Required
Fasten Seat Belts – OFF
Smoking Sign – OFF
Landing Lights - OFF

Boeing 747 Checklist

Above 10000 - Speed 300 KIAS

Cruise Checklist (Above FL180)

At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)

Accelerate to Cruise Speed;

FL180 0.67 mach (330 KIAS)

FL240 0.76 mach (335 KIAS)

FL280 0.82 mach (335 KIAS)

FL330 0.85 mach (315 KIAS)

Engine & Instruments – CHECK

Fuel Quantity – CHECK

Radios - TUNED and SET

Lights - AS REQUIRED

Descent Checklist

Atis/Airport Information – CHECK

Altimeter – CHECK

Radios – SET

Anti-Ice - AS REQUIRED

Descent Speed;

FL240 0.75 mach

FL180 0.65 mach

FL120 300 KIAS

At Transition Altitude (FL180) - ALTIMETER RESET TO LOCAL

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 - 220 KIAS

MFD EICAS – 1

Landing Lights – ON

Auto Spoilers – ARM

Autobrake – SET

Flaps - 5-10 degrees

Speed: Establish - 200 KIAS

Flaps - 20 degrees

Speed: Establish - 180 KIAS

Landing Gear – DOWN

Turning Toward Runway - Set Flaps 25 degrees or FULL

Boeing 747 Checklist

Final Glideslope Descent

Speed Establish - 170 KIAS

Park rakes - VERIFY OFF

Anti-Ice - AS REQUIRED

Landing Checklist

Landing Gear - CHECK DOWN

Autopilot - OFF

Autothrottle - OFF and SPD Deactivated

Landing Speed - 160 KIAS

After Touchdown - Apply Reverse Thrust

At 60 KIAS - Cancel Reverse Thrust

Spoilers - VERIFY EXTENDED

Brakes - AS REQUIRED

Autobrake - OFF

Taxi To Ramp

Strobe Lights – OFF

Flaps – UP

Spoilers – RETRACTED

Taxi Lights – ON

Landing Lights – OFF

Taxi to Assigned Gate/Parking (Speed Max 20 knots)

Transponder – 1200

Elevator Trim - TAKEOFF SETTING

Lights - AS DESIRED

Shutdown Checklist

Brake – SET

Throttle – IDLE

Passenger Signs – OFF

Anti-Ice – OFF

Taxi Lights – OFF

Nav Lights – OFF

Flight Director – OFF

Avionics – OFF

Fuel Flow – CUTOFF

Beacon – OFF

BATT Master Switch - OFF (Shift-M)