

Boeing 747-400

Microsoft Flight Simulator X

Aircraft: Default Boeing 747-400 Panel: Default Boeing 747-400





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Pre-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 FREE AND CORRECT Elevator Trim TAKEOFF SETTING

Avionics ON
Fasten Seat Belts ON
No Smoking Sign ON

Check Weather (Atis, Flight Services)
Anti-Ice TEST/CHERCK

Request Clearance

Transponder STANDBY

Beacon ON

Startup Checklist

Thrust Levers IDLE
Engine Area CLEAR
MFD EICAS2

Engine Starting Sequence: 1 - 4 - 3 - 2

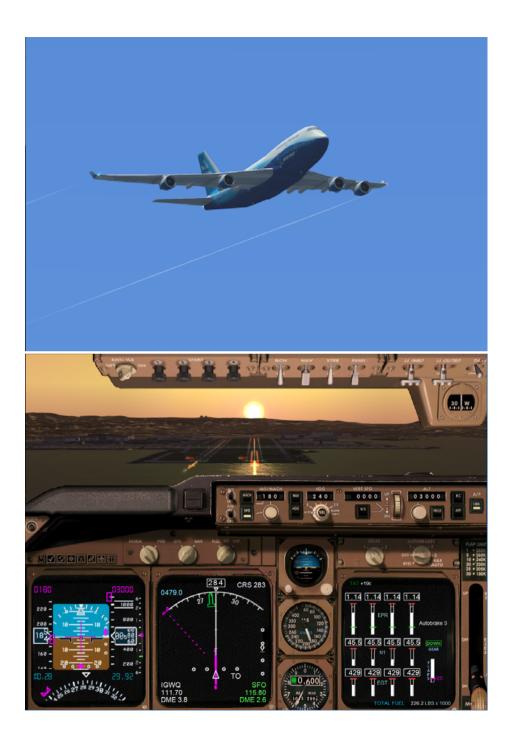
Eng 1 Start Switch START (hold)

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



Landing Checklist

Autoland Available?
Landing Gear CHECK DOWN
Autopilot OFF and all deactivated

Autophot OFF and all deactivated OFF and SPD deactivated

Landing Speed 160 KIAS

After touchdown Apply Reverse Thrust, at

60 kts: 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

Speed Max. 20 knots

Transponder 1200

Elevator Trim TAKEOFF SETTING

Lights AS DESIRED

Shutdown Checklist

SET Brake Throttle **IDLE** Passenger Signs **OFF** Anti-Ice **OFF** Taxi Lights **OFF** Nav Lights **OFF** F/D **OFF** Avionics **OFF CUTOFF Fuel Flow** OFF Beacon

BATT Master Switch OFF (Shift-M)

Before Taxi Checklist

Nav LightsONTaxi LightsONHeading IndicatorSETAltimetersSETStandby InstrumentsSET

Radios and Avionics

Autopilot

SET FOR DEPARTURE

SET, don't activate

SET, don't activate

F/D ON

Yaw Damper ON AS REQUIRED

Autobrake RTO

Elevator Trim SET for takeoff

Request Taxi Clearance

Taxi Checklist

Parking Brake RELEASED

Brakes/Gyro/Turn Coordinator CHECK during taxi and turns

Taxi to assigned runway SPEED Max. 20 knots

Before Take-off Checklist

Brakes SET
Throttle IDLE
Flaps 10 deg

RETRACTED **Spoilers** 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

Takeoff Thrust

Brakes

40% N1 let spool up
FULL or TO/GA
RELEASE

V1 = 165 KIAS (descision) Vr = 175 KIAS (rotate) Pitch 10 deg. nose up

V2 = 185 KIAS (safety speed)

At Positive Climb Rate Touch Brakes
Landing Gear RETRACT

At 200 KIAS RETRACT Flaps to 1 deg

At 220 KIAS RETRACT flaps up

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
No Smoking Sign OFF
Landing Lights OFF
Above 10000' speed 300 KIAS

Cruise Checklist (above FL 180)

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 to FL240 0.75 mach

to FL180 0.65 mach

At Transition Altitude (FL180) reset Altimeter to local

to FL120 300 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:

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

Final Glideslope Descent:

Speed Establish 170 KIAS
Park Brakes VERIFY OFF
Anti-Ice AS REQUIRED

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