

Boeing 747-400

Microsoft Flightsimulator 2002

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



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Pre-Start Checklist

Parking Brake	SET
Throttle	IDLE
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
Check Weather	(Atis, Flight Services)
Request Clearance	
Transponder	SET
Beacon	ON

Startup Checklist

Thrust Levers	IDLE
Engine Area	CLEAR
MFD	EICAS2
Fuel Flow	Eng 1 ON
	Eng 2 ON
	Eng 3 ON
	Eng 4 ON
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

Shutdown Checklist

Brake	SET
Throttle	IDLE
Passenger Signs	OFF
Anti-Ice	OFF
Taxi Lights	OFF
Strobe Lights	OFF
Nav Lights	OFF
F/D	OFF
Avionics	OFF
Fuel Flow	OFF
Beacon	OFF
BATT Master Switch	OFF (Shift-M)

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
<i>Final Glideslope Descent :</i>	
Speed Establish	170 KIAS
Park brakes	VERIFY OFF

Landing Checklist

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

Taxi Lights	ON
Flaps	UP
Spoilers	RETRACTED
Landing Lights	OFF
Speed	Max. 20 knots
Transponder	1200
Elevator Trim	TAKEOFF SETTING
Lights	AS DESIRED

Eng 3	Start Switch	START (hold)
	Fuel Flow	CHECK
	N1 increasing as N2 incr.	CHECK
	Oil Pressure	CHECK
Eng 4	Start Switch	START (hold)
	Fuel Flow	CHECK
	N1 increasing as N2 incr.	CHECK
	Oil Pressure	CHECK
Anti-Ice		AS REQUIRED
MFD		EICAS 1

Before Taxi Checklist

Strobe Light	ON
Nav Lights	ON
Taxi Lights	ON
Heading Indicator/Altimeters	SET
Standby Instruments	SET
Avionics	SET FOR DEPARTURE
Autopilot	SET and OFF
Autothrottle / Speed	SET and OFF
F/D	ON
Autobrake	RTO
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	10 deg
Spoilers	RETRACTED
Landing Lights	ON
Flight Instruments	CHECKED
Engine Instruments	CHECK
Takeoff Data (V1, VR, V2)	CHECK
Nav Equipment	CHECK
Request Takeoff Clearance	

Take-off Checklist

Smoothly increase thrust to Takeoff Thrust	40% N1 let spool up
Brakes	FULL or TO/GA
V1 =	RELEASE
Vr =	165 KIAS (descision)
Pitch	175 KIAS (rotate)
V2 =	10 deg. nose up
At Positive Climb Rate	185 KIAS (safety speed)
Landing Gear	Touch Brakes
At 200 KIAS	RETRACT
At 220 KIAS	RETRACT Flaps to 1 deg
	RETRACT flaps up

Climb-out Checklist

Throttle	AS REQUIRED
Trim for	250 KIAS
Autothrottle	ARM and SET
Autopilot	ON and SET
Autobrake	OFF
Taxi Lights	OFF
Landing Lights	OFF
Below 10000' max. speed	250 KIAS

ATC

Fasten Seat Belts
No Smoking Sign
Above 10000' speed

AS REQUIRED

OFF
OFF
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
	FL240 0.76 mach
	FL280 0.82 mach
	FL330 0.85 mach
Engine+Instruments	CHECK
Fuel Quantity	CHECK
Radios	TUNED and SET

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

Approach Checklist

Localizer Level Flight :

Fasten Seat Belts	ON
No Smoking Sign	ON
Avionics + Radios	SET
Speed: Establish	220 KIAS