

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/CHECK
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
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

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

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

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
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
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 Takeoff Thrust	40% N1 let spool up FULL or TO/GA
Brakes	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 :

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

Final Glideslope Descent :

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