Boeing 737-400

Microsoft Flightsimulator 2002

Aircraft :   Default Boeing 737-400
Panel :   Default Boeing 737-400

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Pre-Start Checklist

Parking Brake	SET
Throttle	IDLE
BATT Master Switch	ON (Shift-M)
Gear Lever	CHECK DOWN
Flaps	UP
Spoiler	RETRACTED
Fuel Quantity	CHECK
Engine Instruments	CHECK
Pitot Heat / De-Ice / Aircraft Lighting	OFF
Flight controls	CHECK
Avionics	ON
Check Weather	(Atis, Flight Services)
Request Clearance	
Transponder	SET
Beacon	ON

Startup Checklist

Thrust Levers		IDLE
Engine Area		CLEAR
Aircondition fan		ON
Fuel Flow	Eng 1	ON
	Eng 2	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
1 – 2	Start Switches	CHECK GEN
Pitot Heat		ON
De-Ice		AS REQUIRED

Landing Checklist

Autoland	Available ?
Landing Gear	CHECK DOWN
Autopilot	OFF
Autothrottle	OFF
Landing Speed	145 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
Taxi Lights	ON
Landing Lights	OFF
Speed	Max. 20 knots
Transponder	OFF
Elevator Trim	TAKEOFF SETTING
Lights	AS DESIRED

Shutdown Checklist

3

Brake	SET
Throttle	IDLE
Passenger Signs	OFF
Aircondition fan	OFF
Pitot Heat	OFF
De-Ice	OFF
Taxi Lights	OFF
Strobe Lights / Nav Lights	OFF
F/D	OFF
Avionics	OFF
Fuel Flow	OFF
Engine Start Switches 1 – 2	OFF
Beacon	OFF
BATT Master Switch	OFF (Shift-M)

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	ARMED
F/D	ON
Yaw Damper	ON AS REQUIRED
Autobrake	RTO
Elevator Trim	SET for takeoff
Request Taxi Clearance	

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	5 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	40% N1 let spool up
Takeoff Thrust	FULL or TO/GA
Brakes	RELEASE
V1 =	150 KIAS (descision)
Vr =	155 KIAS (rotate)
Pitch	10 deg. nose up
V2 =	160 KIAS (safety speed)
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
At 1000' AGL	RETRACT Flaps to 1 deg
At 210 KIAS	RETRACT flaps up

Climb-out Checklist

Throttle	FULL
Trim for	250 KIAS
Autopilot/Autothrottle	CHECK and SET
Autobrake	OFF
Taxi Lights	OFF
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	0.67 mach
	FL240	0.76 mach
	FL280	0.80 mach
	FL330	0.81 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	0.75 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	210 KIAS
Landing Lights	ON
Auto Spoilers	ARM
Autobrake	SET
Flaps	5-10 degrees
Speed: Establish	180 KIAS
Flaps	20 degrees
Speed: Establish	160 KIAS
Landing Gear	DOWN
Turning toward runway: set flaps	30 degrees or FULL

Final Glideslope Descent :

Speed Establish	150 KIAS
Park breakes	VERIFY OFF