



Boeing 737-900 Checklist

NOT FOR REAL WORLD AVIATION



Boeing 737-900 Checklist



Pre-Start Checklist

Parking brake		SET
Throttle		IDLE
Fuel Flow		CUTOFF
BATT Master Switch		ON (Shift-M)
Landing Gear Lever		CHECK DOWN
Flaps		UP
Spoiler		RETRACTED
Pitot Heat		Check (H)
De-Ice		OFF
Position/NAV Lights		ON STEADY
Flight Controls		FREE AND CLEAR
Avionics	ON	
Fasten Seat Belt	ON	
No Smoking sign	ON	
Check Weather		(Atis)
De-Ice		TEST/CHECK
<i>Request Clearance</i>		
Transponder		STANBY
Beacon		ON

Startup Checklist

Thrust Levers		IDLE
Eng 1 Start Switch		START (hold)
At N2 20% Fuel Flow Eng 1ON		
N1 Increasing as N2 incr. CHECK		
Oil Pressure		CHECK
Eng 2 Start Switch		START (hold)
At N2 20% Fuel Flow Eng 2ON		

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N1 Increasing as N2 incr.	CHECK
Oil Pressure	CHECK
Both Start Switches	CHECK GEN
Aircondition Fan	ON

Before Taxi Checklist

Taxi Lights/Runway Turnoff Lights	ON
Heading Indicator/Altimeter	SET
Standby Instruments	SET
Radios and Avionics	SET FOR DEPARTURE
Autopilot	SET (Don't Activate)
Autothrottle	SET/ARM (Don't Activate)
F/D	ON
Yaw Damper	ON
AutoBrake	RTO
Elevator Trim	SET FOR TAKEOFF
<i>Request Taxi Clearance</i>	

Taxi Checklist

Parking brake	RELEASE
Brakes/Gyro/Turn Coordinator	CHECK during taxi and turns
Taxi to assigned runway	SPEED Max. 20 knots

Before Takeoff

Parking Brake	SET
Throttle	IDLE
Flaps	5-20 degrees depending on winds and runway length
Spoilers/Air Brake	RETRACTED
Flight Instruments	CHECK
Engine instruments	CHECK
Takeoff data (V1, VR, V2)	CHECK (See reference manual)
Nav Equipment	CHECK
Landing Lights	ON AND RETRACTED
Taxi Lights/Runway turnoff lights	OFF
Strobe lights	ON
Pitot Heat	ON
De-Ice	AS REQUIRED
Transponder	ON (MODE C)
<i>Request Takeoff Clearance</i>	

Takeoff Checklist

Smoothly increase thrust to	40% N1 let spool up
Takeoff thrust	FULL or TO/GA
Brakes	RELEASE
V1=	145 KIAS (decision)
Vr=	150 KIAS (rotate)
Pitch	10 degrees nose up
V2=	160 KIAS (safety speed)
At positive climb rate	TOUCH BRAKES

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Landing gear	RETRACT
At 1000' AGL	RETRACT FLAPS TO 1 DEGREE
At 210 KIAS	RETRACT FLAPS up

Climb-out Checklist

Trim for	250 KIAS/ 1800 fpm
Autopilot/Autothrottle	CHECK and ACTIVATE
Autobrake	OFF
Below 10,000 feet max speed	250 KIAS
ATC	AS REQUIRED
Landing lights above 10,000 AGL	OFF and RETRACTED UP
Above 10,000 AGL Speed	280 KIAS
Altimeter	above FL180 set to 29.92" (1013mb)

Cruise Checklist (above FL180)

Accelerate to cruise speed	FL180 0.67 mach (330 KIAS)
	FL240 0.76 mach (335 KIAS)
	FL280 0.80 mach (325 KIAS)
	FL330 0.81 mach (295 KIAS)
Engine Instruments	CHECK
Fuel Quantity	CHECK
Radios	CHECK
Autopilot/autothrottle	TUNED and SET
Fasten Seatbelt sign	OFF

Descent Checklist

ATIS/Airport Information	CHECK
Altimeter	SET TO LOCAL AFTER LEAVING FL180
Radios	SET
De-Ice	AS REQUIRED
Descent Speed	to FL240 0.75 mach
	to FL180 0.65 mach
	to FL120 280 KIAS
	below 10,000ft 250 KIAS
Fuel quantities and balance	CHECK
Check Weather	ATIS/RADAR
Fasten Seatbelt Sign	ON
Landing Lights	ON and RETRACTED below 10,000ft

Approach Checklist

Avionics and Radios	SET
Speed: establish	210 KIAS
Auto Spoilers	ARM (shift+)
Autobrake	SET
Flaps	5-10 degrees
Speed: establish	180 KIAS
Flaps	15-20 degrees
Speed: establish	160 KIAS
Landing Gear	DOWN at OUTER MARKER

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Flaps	30 degrees or FULL at middle marker (depends on wind)
Final Glideslope Descent:	
Speed: establish	140 KIAS
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF
De-Ice	AS REQUIRED

Landing Checklist

Landing Gear	CHECK DOWN AND 3 GREEN
Autopilot/AutoThrottle	OFF
Landing Speed	135-140 KIAS
After Touchdown	REVERSE THRUST (F2 hold) at 60knots cancel reverse thrust (F1)
Spoilers	VERIFY EXTENDED
Brakes	AS REQUIRED (do not apply above 60 knots)

Taxi To Ramp

Strobe lights	OFF
Flaps	UP (F5)
Spoilers	VERIFY RETRACTED
Taxi Lights/Runway turnoff lights	ON
Landing lights	OFF
Speed	MAX 20 Knots
Transponder	STANDBY/OFF
Elevator Trim	TAKEOFF SETTING

Shutdown Checklist

Parking brake	SET
Throttle	IDLE
Seatbelt signs	OFF
Aircondition fan	OFF
Pitot Heat	OFF
De-Ice	OFF
Taxi lights/runway turnoff lights	OFF
F/D	OFF
Avionics	OFF
Fuel Flow	CUT OFF (cntl+shift+F1)
Engine start switches 1-2	OFF
Beacon	OFF
BATT Master switch	OFF (shift-M)

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