



# Boeing 737-500 Checklist

**NOT FOR REAL WORLD AVIATION**



**Pre-Start Checklist**

## Boeing 737-500 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 1	ON	
N1 Increasing as N2 incr.	CHECK	
Oil Pressure		CHECK
Eng 2 Start Switch		START (hold)
At N2 20% Fuel Flow Eng 2	ON	
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

## Boeing 737-500 Checklist

### 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
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

## Boeing 737-500 Checklist

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 FL2400.75 mach  
to FL1800.65 mach  
to FL120280 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  
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

## Boeing 737-500 Checklist

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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