

Boeing 737-300/400/500 Checklist

1. Pre-flight Planning

- Prepare a route using either charts or planning software, and file the route in your Flight Plan.
- Assume a full passenger and cargo load if not told otherwise.
- Ensure weather is "legal." Plan alternate if required.
- Once in FS, start adventure for ATC controlled flight. Set time to scheduled block-off time (Departure time) minus 10 minutes. This should allow time for checklists.*

2. Pre-Departure Checklist

- Check Fuel/Refuel as required
- Set Nav and Com Frequencies
- Check controls and calibrate joystick
- Save situation (if required)
- Press Ctrl-X for the start-up briefings, if late then first press Ctrl-D.*
- Stobes ON
- Flaps retracted

3. Pre-Start Up

- Fuel systems ON
- Fuel Tank Select All
- Engine systems ON
- Nav Instrument On & tuned
- Gyro compass On & Calibrated
- Nav Lights ON
- Com instrument On & tuned to ATIS
- Altimeter Set
- Runway assignment Check
- Review taxi and departure route

4. Start Up

- Transponder Set
- Parking brakes ON & Check
- Thrust levers Idle
 - Engine ignition Position to start
 - Jet Fuel Starter Start
 - Engine start Note Start up time (block-off/push-back time)
 - Engine ignition Generators
- Repeat for other engine
- Engine instruments Check

5. Taxi

- Contact Ground for clearance
- Release parking brake, travel at 20-30knots, avoid use of brakes.
- Slew backward to replicate pushback.
- Press Shift-V for safety video (or Ctrl-S if not equipped with video) [must be finished before take-off]*
- Press Ctrl-D to tell FAs to prepare for take-off.*
- Flight instruments Set
- NAV radios Set
- Flaps Set & Checked
- Spoilers Retracted
- Flight controls Set & calibrated
- Trim Set for take off

- Com radio Remain set to ground until holding short of the active runway, then set to Tower
- Transponder Check
- EFIS Set as required
- Press Ctrl-C to hear the before take-off checklist, if you have the sound installed.*
- Landing lights On
- Fuel Check for sufficient fuel prior to take-off.

6. Take Off

- As soon as clearance is given or on runway before takeoff roll record T/O time
- Press Ctrl-P before rolling onto runway (must then reach 30 kts to unfreeze adventure).*
- Rotate at Vr
- Climb pitch 10°.
- Raise gear at V2 +15 KIAS
- Landing lights Off
- Raise nose to 19-20°
- At 1500' AGL set climb thrust (90% N1)
- Maintain best angle of climb (Vx) 210 - 200 KIAS until 3,000' AGL

7. Climb

- Press Ctrl-C for climb announcements*
- At 3000' AGL, set climb power and accelerate to 250 kts IAS (7°)
- At 10000' MSL, reduce climb to accelerate to 300 kts IAS (5°)
- At FL180 set altimeter to 29.92
- Once leveled-off at cruise altitude, Press Ctrl-C for enroute briefing.*

8. In Flight

- Record VOR Arrival Times when you switch them (5 nm before waypoint)
- Watch fuel and airspeed. Keep speed below 250 IAS knots below 10,000 ft.
- Engage autopilot when safe to do so (No lower than 1,000' AGL.)
- Do not use accelerated simulation without autopilot engaged and on-course.
- Perform fuel check

9. In Flight Checks

Perform the following checklist every 20 minutes or so throughout the flight.

- Verify operation of autopilot altitude hold and heading
- Check power settings
- Check NAV instruments
- Check fuel remaining to time of arrival at destination

10. Descent

- With 15 minutes to landing, Press Ctrl-P.*
- Begin descent as per Approach control airspeed .70 Mach until 280 knots
- Altimeter Set to local settings
- Press Ctrl-L to prepare the cabin for landing.*
- At 15000' slow to 250 kts and 1500 fpm to maintain 250 kts max.
- Landing lights Check on
- Stobes Check on
- Review go around procedure

11. Approach

- () *Press Ctrl-D to tell FAs to prepare for landing.*
- () *At IAF or 15nm from airport start Flap Extension Schedule*
- () *Altimeter Set*
- () *As glideslope starts to lower or 5nm from airport*
- () *Airspeed 150 KIAS or Vref +5 whatever is higher*
- () *Gear Down & locked*
- () *Flaps Set*
- () *Glideslope intercept or on final speed Vref+5 final flaps set.*
- () *Autopilot - Off*

Aim for touchdown on centerline, on runway heading, in first third of runway (or 2000ft), at less than 200ft/min vertical speed (set Options\Flight\Landing analysis to view the FDR data after landing).

- () *At touchdown reverse thrust*
- () *Spoilers extended*

12. After landing

- () *Idle thrust at 60 kts or when not needed*
- () *Brakes as required*
- () *Retract Flaps and Spoiler*
- () *After you enter taxiway, record landing time.*
- () *If this is a stop-over, Press Shift-O, otherwise press Ctrl-L when leaving runway.*
- () *Contact ground*
- () *Taxi to terminal.*
- () *Press Ctrl-G to prepare the cabin for gate arrival (adventure will freeze until Parking Brake is set).*
- () *Thrust levers Idle*
- () *Parking brake ON (Seat belt sign OFF)*
- () *Shut down engines, record shut-down time (block-on time).*
- () *Record shut down time and fuel remaining (should be at least 850 gallons).*
- () *Set Transponder to 1200, turn off lights.*
- () *Save situation for next flight if necessary, then stand at the door to wave off the passengers.*

13. Pilot Check

- () *Make sure you have noted all details required for your flight report before exiting or starting new flight*
- After completion of assignment, file flight report, then look for the hotel bus.*