



Boeing 737-800 Startup Procedures

Preliminary Preflight Inspection

Walkaround Inspection..... Initiated
Battery..... On & Guarded
Ground Power..... Connected and On
Strobe Lights..... Steady
Gear Lights..... Verified 6 Greens
AROW Papers.....,... On Board
Fuel and Payload..... Loaded and Set
Ground Services..... Initiated
FAULT INOP Test..... Tested
Fire Test..... Tested
Emergency Exit Light..... Armed
Passenger Signs..... As Needed
Attendant Call Button..... Pushed
Flap Lever Position..... Set 0
Flap Indicator..... Reads 0
Takeoff Config Horn..... Tested
Cargo Fire Test..... Tested
Weather Radar..... Set Auto

Manual Gear Extension Door..... Closed
Circuit Breakers F/O..... Checked All In
Emergency Rope F/O..... On Board
Emergency Rope Captain..... On Board
Circuit Breakers Captain..... Checked All In
Stall Warning Test..... 1 & 2 Pushed
MACH Warning Test..... 1 & 2 Pushed
Flight Recorder..... Tested & Guarded
Engine Reverse Lights..... Extinguished
Engine Control Lights..... Extinguished
EEC Switch..... On & Guarded
Crew Oxygen..... Checked 1100+ PSI
Dome Light..... As Needed
IRS Mode Selectors..... Set HDG/STS Mode
IRS Switches..... OFF, then NAV Mode
IRS Align Lights..... Illuminated
ELT..... Guarded
ELT, GPS, PSEU Lights..... Extinguished
LE Device..... Extinguished, then Tested

Emergency Crash Axe..... On Board
Parking Brake..... Verified Set

Preflight Startup Checklist

Captain & F/O AFDS Lights..... Tested
Lights..... Tested
EFIS Control Panel..... Set
RADIO/BARO..... Set for Destination
Altimeters..... Set Local QNH
Main & Lower DU Switches.... Set Normal
Clocks..... Set Zulu Time
Nosewheel Steering..... Set Normal
Cockpit Lights..... As Required
GPWS System Test..... Tested
TC/AS System..... Tested
Audio Control Panel.... Set for Departure
Weather Radar..... Verified Auto
Oxygen..... Tested
Flight Clearance..... Obtained
Seatbelts, Rudders, & Seats..... Adjusted

FMC Preflight Setup

IDENT Page:

Model Number..... Verified

Engine Rating..... Verified
Nav Data..... Verified

POS INIT Page:

Reference Airport..... Entered
IRS Position..... Set GPS Coordinates

Route Page:

Origin..... Entered
Destination..... Entered
Flight Number..... Entered
Route Information..... Entered

DEP/ARV Page:

Departure Runway..... Set
Departure SID..... Set
Arrival STAR..... Set
Arrival Runway..... Set as Required

LEGS Page:

Discontinuities..... Removed
Altitudes & Speeds..... Checked

PERF/INIT Page:

ZFW..... Entered
Fuel Reserves..... Entered
Cost Index..... Entered
Cruise Flight Level..... Entered
Cruise Wind..... Entered
ISA Deviation..... Entered
Transition Altitude..... Entered

N1 Limit Page:

OAT (Temperature)..... Entered

Overhead Panel Checklist

Flight Control Switches..... Guarded
Alternate Flaps Switch..... Off
Yaw Damper..... On
NAV Display Switches..... Set Normal
Source Switch (Display)..... Set Auto
ENG Valve Close Light... Illuminated Dim
Fuel Pumps..... Set as Required
Cross Feed Valve..... Opened & Light On
Cross Feed Valve..... Closed & Light Off
AC/DC Meter Panel..... Set as Required
Cabin/Utility Power..... Verified On
IFE/Pass Seat Power..... Verified On
Equipment Cooling..... Set Normal
Emergency Exit Lights.... Verified Armed
Passenger Signs..... As Required
Windshield Wipers..... Set Park Position
Window Heat..... On
Probe Heat..... Off
Engine & Wing Anti-Ices..... Off
Engine Hydraulic Pumps..... On
Electric Hydraulic Pumps..... Off

Doors..... Checked
Cabin ALT Indicator..... Reads Elevation
Differential Pressure..... Reads 0
Cabin Rate of Climb..... Reads 0
Trim Air..... On
Air Temperatures..... Set as Required
Recirculation Fans..... Auto
Packs..... Auto
Isolation Valve..... Open
Engine Bleeds..... On
APU Bleed..... Off
Pressure Cruise ALT..... Set Cruise ALT
Pressure Landing ALT..... Set Landing ALT
Pressurization Mode Selector..... Auto
Engine Start Switches..... Auto
Engine Start Selector..... Set as Required

MCP Panel Checklist

Flight Directors..... On
Courses..... Courses Set
Bank Angle Selector..... Set 25° Bank
Heading..... Set Runway Heading
Altitude..... Set Initial Altitude
Autobrake..... Set RTO Mode
Fuel Quantity..... Checked

Engine Display..... Checked
Standby Instruments..... Set Local QNH
Stab Trim Cutout Switch..... Normal
Transponder..... Set SQUAWK Code
Rudder & Aileron Trim..... Checked

Preflight Briefings

Route Check:

Route Information..... Verified
Route Step Through..... Completed
Altitude, Speed, & Distances..... Verified
Flight Route..... Executed
Progress Page..... Fuel Checked
Ground Distance..... Verified

Instrument Crosscheck:

Time..... Verified
EFIS Display..... Verified
Altimeter..... Verified
Radio/BARO Verified
Standby Instruments..... Checked

Takeoff Briefing:

Pilot Flying..... Established
Departure Procedure..... Reviewed
Weather Conditions..... Reviewed

Emergency Briefing:

Rejected Takeoff..... Intentions Stated
Engine Failure..... Intentions Stated

Taxi Briefing:

Taxi Route..... Planned
Taxi Charts..... Reviewed

Departure Briefing:

SID Charts..... Reviewed
Departure..... Planned
FMC Departure Route..... Verified
Coarse One..... Set Runway Heading
Coarse Two..... Set NAV Coarse
NAV Radios..... Tuned for Departure
Route Altitude & Speeds..... Verified
Cleared SID Route..... Matches FMC

Performance Calculations:

ZFW..... Verified
Gross Weight..... Verified
Weather..... Checked
Performance Calculator..... Checked
Performance Information..... Verified
OAT (Temperature)..... Verified
Takeoff Flaps..... Entered
Takeoff V Speeds..... Entered
Center of Gravity..... Entered

IAS/MACH Selector..... Set V2
STAB Trim.... Verified Set __.____ Units

Before Start Checklist

Cockpit Door..... Closed and Locked
Seatbelts..... Fastened
Exterior Doors..... Closed and Locked
APU..... Started
APU Generator Busses..... 1 & 2 On
GPU..... Removed and Off
Strobe Light..... Off
APU Bleed..... On
A/C Temperature..... Checked
Passenger Signs..... Auto/On
Cabin Crew..... Alerted
Cabin..... Secured
Cabin Crew Alert Switch..... Auto
Attendant Call Button..... Push
Pushback Truck..... Call
Packs..... Off
Isolation Valve..... Verified Open
APU Bleed..... Verified On
Fuel Flow Switch..... Reset, then Rate
Taxi & Takeoff Briefings..... Completed
Anti-Collision Light..... On

Parking Brake..... Verified Set

Push and Start Checklist

Electric Hydraulic Pumps..... A & B On
Hydraulics Pressure... Checked 2800+ PSI
Push & Start Clearance..... Obtained
Initiate Engine Start After Cockpit Secured*
Engine 2..... Set GND
Fuel Flow..... Idle at N2 25%
ENG Start Switch..... Set Auto at N2 56%
Engine N1 & N2..... Verified Stable
Start Valve & Low PRESS..... Extinguished
N1..... ≈20%
N2..... ≈64%
EGT..... ≈400°
Fuel Flow..... ≈0.27
Engine 1..... Set GND
Fuel Flow..... Idle at N2 25%
ENG Start Switch..... Set Auto at N2 56%
Engine N1 & N2..... Verified Stable
Start Valve & Low PRESS..... Extinguished
N1..... ≈20%
N2..... ≈64%
EGT..... ≈400°
Fuel Flow..... ≈0.27

Engines..... Stabilized
Lower DU..... Set Blank
Ground Crew..... Clear

Before Taxi Checklist

Engine Generators..... 1 & 2 On
APU..... Off
Start Switches..... Set CONT
Probe Heat..... On
Packs..... Auto
Isolation Valve..... Auto
APU Bleed..... Off
Flaps..... Set __ for Departure
Flight Controls..... Checked
Stab Trim..... Set __. __ for T/O
Recall..... Clear
Taxi Lights..... On
Runway Turnoff Lights... As Required
External Lights..... As Required
Transponder..... As Required
Taxi Clearance..... Obtained
Taxi Route..... Obtained