

Boeing 737 NG

Simulator Procedures

v05/2013



Preflight

BATT Master Switch	ON (Guard Closed)
STANDBY POWER	AUTO (Guard Closed)
ELEC HYDRAULIC PUMPS 1 & 2	OFF

PARKING BRAKE	SET (Light ON)
LANDING GEAR LEVER	DOWN
FIRE & OVERHEAT PROTECT	CHECK

--- APU START ---	
APU BLEED	OFF
AFT 1 FUEL PUMP	ON
APU SWITCH	START
APU EGT	RISE & STABILISE VERIFY

--- OVERHEAD PANEL ---	
IRS MODE SELECTORS	NAV
FLT CTRL A & B	GUARD CLOSED
SPOILER A & B	GUARD CLOSED
ALTERNATE FLAPS switch	GUARD CLOSED
ALT FLAPS POS switch	OFF
YAW DAMPER	ON
NAV TRANSFER & DISPLAY switch	NORMAL/AUTO
CROSS FEED selector	CLOSED
GALLEY POWER switch	ON
DISCONNECT GEN switches 1 & 2	GUARD CLOSED
BUS TRANSFER switch	AUTO (Guard Closed)
APU GEN switches	ON

**Preflight
(continued)**

EQUIP COOLING
EMER EXIT LIGHTS
NO SMOKING
FASTEN BELTS
WINDSHIELD WIPER L & R
WINDOW HEAT L2 & R2
PROBE HEAT A & B
WING ANTI-ICE
ENG ANTI-ICE 1 & 2
CABIN ALT & DIFF

NORMAL
ARMED (Guard Down)
ON
ON
PARK
ON
OFF
OFF
OFF
CHECK

TRIM AIR
RECIRC FANS L & R
AC PACKS L & R
ISOLATION VALVE
ENGINE BLEEDS L & R
APU BLEED
FLT ALT
LAND ALT
PRESSURE MODE SELECTOR

ON
AUTO
AUTO
AUTO
ON
ON
___ SET
___ SET
AUTO

POSITION Lights

STEADY

--- CHECK ---

REVERSE THRUST Levers 1 & 2
FWD THRUST Levers 1 & 2
SPEEDBRAKE
FLAPS
ENGINE START Levers 1 & 2
STAB TRIM CUTOUT
WXR RADAR
TRANSPONDER
RUDDER & AILERON TRIM

DOWN
CLOSED
DOWN DETENT
UP (agree with flap pos)
CUTOFF
NORMAL
OFF
STANDBY
FREE & ZERO

FMC Setup

FMC

IDENT INFO
POS INIT
REF AIRPORT
TIME (GMT)

SELECT
VERIFY 737-800 (400)
SELECT
SET
VERIFY

ROUTE

ORIG
RUNWAY
FLT NO.
DEST
ACTIVATE
EXEC
ACT RTE

SELECT
SELECT
SET
SET
VERIFY
SELECT
SELECT
VERIFY

PERF INIT

GW (tons)
FUEL
RESERVES (tons)
COST INDEX
CRZ ALT
CRZ WIND
TRANS ALT
OAT
EXEC

SELECT
____ SET
VERIFY
SET 2 tons
SET 25
SET
SET
VERIFY
SET
SELECT

NI LIMIT

TO / TO-1 / TO-2
CLB / CLB-1 / CLB-2
T/R ALT

SELECT
SELECT TO-1
SELECT CLB-2
SET 1000

TAKEOFF

FLAPS
CG
V1
VR
V2
STAB TRIM
PRE-FLT COMPLETE

SELECT
SET 5°
SET ____ %
SET/CONFIRM
SET/CONFIRM
SET/CONFIRM
NOTE/SET
VERIFY

MCP Setup

A/T
IAS/MACH
HEADING
ALTITUDE
COURSE
F/D

CHECK INSTRUMENTS

FUEL REQ'D
FUEL ON BOARD

ARM
SET V2
RWY HEADING
SET INITIAL CLIMB
SET RWY CRS
ON (check master side)

HDG, SPD, SET QNH

Engine Start

Main Doors

CLOSED

ANTI COLLISION light

ON

APU BLEED

ON

IGN L/R

SELECTED

--- ENGINE START ---

FUEL PUMPS

ON (for tanks with fuel only)

PACKS L & R

OFF

ISOLATION VALVE

AUTO

AUTOBRAKE

RTO

ENGINE 2

ENGINE 2 Bleed

ON

ENGINE 2 START Switch

GRD

ENGINE 2 START Lever

IDLE at N2 = 25% (20)

ENGINE 2 EGT

RISE & STABILISE, VERIFY

ENGINE 2 START Switch

OFF at N2 = 56 %

ENGINE 1

ENGINE 1 Bleed

ON

ENGINE 1 START Switch

GRD

ENGINE 1 START Lever

IDLE at N2 = 25 (20) %

ENGINE 1 EGT

RISE & STABILISE, VERIFY

ENGINE 1 START Switch

OFF at N2 = 56 %

ENGINE GENERATORS

ON

PROBE HEAT A & B

ON

HYDRAULIC PUMPS

ON

PACKS L & R

AUTO

APU Bleed

OFF

APU switch

AS REQUIRED

After Start

WING ANTI-ICE
ENG ANTI-ICE 1 & 2
ENGINE START switches
RECALL
RADIOS & AVIONICS
FLAPS
FLIGHT CONTROLS

FD
Elevator Trim

Request Taxi Clearance

AS REQUIRED
AS REQUIRED
CONT
CHECKED
SET FOR DEPARTURE
SET 5°
CHECKED, FREE

ON
SET per FMC

Before Taxi

TAXI Lights
LOGO Light
RUNWAY TURNOFF Lights L & R
PARKING BRAKE
TAXI to Assigned Runway

ON
ON
ON
RELEASE (NO PEDALS!!!)
SPEED Max 15 knots

Before Takeoff

FLAPS
STAB TRIM
TRANSPONDER
FLIGHT INSTRUMENTS
ENGINE INSTRUMENTS
TAKEOFF DATA (V1, VR, V2)
ALTIMETERS

AP HDG Mode
AP ALT Mode
A/T

SET 5°
SET per FMC
TA/RA
CHECK
CHECK
CHECK
SET QNH

SET
SET
ARM

Request Takeoff Clearance

LANDING Lights
TAXI Light
POSITION Light
ENG START SWITCHES
AUTOBRAKE
MCP HEADING

ON
OFF
STROBE & STEADY
CONT
RTO
SYNC RW HDG

Takeoff

BRAKES
TAKEOFF THRUST
TO/GA
V1
VR
Pitch Establish
At Positive Climb Rate
LANDING GEAR
RETRACTABLE Lights
EFIS
HDG or LNAV
LVL CHG or V/S
FLAPS
AP

RELEASE
40%
PUSH
DECISION
ROTATE
per FD
RETRACT
OFF
SELECT
SELECT
RETRACT ON SCHEDULE
ENGAGE

Climb-out

Below 10,000 speed

Above 10,000

LANDING Lights

FASTEN BELTS sign

VNAV

AT TRANSITION ALTITUDE

LANDING GEAR

ENG START SWITCHES

AUTOBRAKE

250 KIAS

OFF

OFF

SELECT

SET Altimeter STD (1013hPa)

OFF

OFF

OFF

Cruise

Airspeed Maintain

Engine+Instruments

Fuel Quantity

Radios

Lights

FMC Progress

Aircraft Systems

MCP SPD

CHECK

CHECK

CHECK

as required

CHECK

CHECK

Descent

ATIS/Airport Information	CHECK
AT TRANSITION LEVEL Altimeters	SET QNH
RADIOS	SET
Decision Height	SET
Speeds per FMC OR	
to FL240	0.71 mach
to FL180	0.65 mach
to FL120	270 KIAS
below 10,000 ft	250 KIAS
Fuel Quantity and Balance	CHECK
FMC	
Approach	SET
VREF	SET
Landing Speeds (FMC Approach Page)	VERIFY
Weather	CHECK
ILS NAV Frequencies	SET
ILS CRS	SET
NO SMOKING sign	ON
FASTEN BELTS sign	ON

Approach

Base Leg:

START SWITCHES

AUTOBRAKE

FLAPS

Speed Establish (FMC Flaps 1) or

CONT

___ SET

1°

200 KIAS

Closing Leg (30°), Level Flight:

ILS CRS

EFIS - APP Mode

FLAPS

Speed Establish (FMC Flaps 5°) or

CHECK

SELECT

5°

180 KIAS

Localizer established, Level Flight:

HEADING

RWY HEADING

Glide Slope, Final Descent

LANDING GEAR

FLAPS

Speed Establish (FMC Flaps 15°) or

SPEEDBRAKE

FLAPS

Speed Establish

DOWN

15°

160 KIAS

ARM – GREEN LIGHT

___ LANDING (per FMC)

VREF per FMC

Landing

THRUST Levers

IDLE at 30 ft

After Touchdown

SPEEDBRAKE

REVERSE THRUST

CHECK, EXTEND

SET (Cancel at 60 knots)

Taxi To Ramp

SPEED BRAKE
TAXI Lights
LANDING Lights
STROBE Light
START SWITCHES
AUTOBRAKE
TRANSPONEDER

FLAPS
PROBE HEAT A & B
FLIGHT DIRECTOR
APU
APU GEN
Speed Max

DOWN DETENT
ON
OFF
OFF
OFF
OFF
STANDBY

UP – NO LIGHTS
OFF
OFF
START
ON
15 knots

Shutdown

PARKING BRAKE
THRUST Levers
ELECTRICAL
ENGINES START Levers 1 & 2
ELEC HYRAULIC PUMPS 1 & 2
ANTI COLLISION Light
FASTEN BELTS
FUEL PUMPS
WINDOW HEAT L2 & R2
ANTI ICE switches
PACKS L & R
ENGINE BLEED 1 & 2
EMER EXIT LIGHTS
APU
BATT Master Switch

SET
IDLE
ON
CUTOFF
OFF
OFF
OFF
ALL OFF
OFF
ALL OFF
OFF
OFF
OFF
OFF
OFF (Guard Open)