

Boeing 737 - NG Series Flow/Checklist

B737: 600/700/BBJ

Designed by: Michael Swannick

B737: 600/700/BBJ

PREFLIGHT & AFT OVERHEAD

Parking Brake.....	SET
Battery Switch.....	ON
DC Voltmeter Selector (Verify You Have A Minimum Of 22 Volts).....	BAT
AC Voltmeter Selector.....	GRD PWR
Electric Hydraulic Pumps.....	OFF
Standby Power Disconnect (1 & 2).....	GUARDED
Standby Power.....	AUTO/GUARDED
Bus Transfer.....	AUTO/GUARDED
Ground Power (Verify You Have A Minimum Of 115 Volts).....	CONNECT/ON
Landing Gear Lever.....	DOWN
Verify Three Green Indicator Lights On, Three Red Indicator Lights Off	
Engine / APU Fire Warning System & Extinguishers.....	TEST
FAULT INOP = TEST OVHT FIRE = TEST ENGINE & APU EXT (1 & 2) = TEST ENG OVHT DET Selectors = NORMAL MASTER CAUTION System = RESET	
Position Lights.....	ON
Engine Bleed Switches (1 & 2).....	OFF
APU Bleed Switch.....	OFF
Left Forward Fuel Pump.....	ON
APU.....	START
The APU Start Switch Is Spring Loaded And Will Return To The On Position The APU GEN OFF BUS Light Will Illuminate When The APU Is Started & Ready	
APU Generator Switches.....	ON
AC Voltmeter Selector.....	APU GEN
APU Bleed Switch.....	ON
LE DEVICES.....	TEST
IRS Display (DSPL SEL).....	TEST then PPOS
Align IRS.....	OFF then NAV
Oxygen (Crew & Pass).....	CHECK & NORMAL
Mach Airspeed Warning (1 & 2).....	TEST
Stall Warning (1 & 2).....	TEST
Equipment Cooling Supply & Exhaust Switches.....	NORMAL
Recirculation Fan.....	AUTO
Air Conditioning Panel.....	SET
APU BLEED AIR APU Bleed Switch = ON Isolation Valve Switch = AUTO Left & Right Pack Switches = AUTO	UNCONDITIONED BLEED AIR APU Bleed Switch = OFF Isolation Valve Switch = OPEN Left & Right Pack Switches = AUTO
Emergency Exit Lights (Inoperable On BBJ).....	ARMED
No Smoking Sign (Inoperable On BBJ).....	ON
Seatbelt Sign (Inoperable On BBJ).....	OFF
Flaps Lever.....	UP
Verify Flaps Lever Matches Flap Position Indicator	

OVERHEAD PREPARATION

Standby Hydraulic: Low Quantity/Low Pressure Indicators.....	OFF
Flight Control Switches (A & B).....	GUARDED
Alternate Flaps Switch.....	GUARDED
Alternate Flaps Control Switch.....	OFF
Spoiler Switches (A & B).....	GUARDED
Yaw Damper Switch.....	ON
VHF NAV & IRS Switches.....	NORMAL
Navigation Display Source.....	AUTO
Navigation Display Control Panel.....	NORMAL
Fuel Valve Cross Feed.....	CHECK
Turn Cross Feed Selector To Open, Verify Valve Light Goes Bright Then Dim Turn Cross Feed Selector To Closed, Verify Valve Light Goes Bright Then Off	
Fuel Pumps.....	CHECK
Auxiliary Fuel Transfer (FWD: A&B / AFT: A&B).....	AUTO
BBJ Aircraft Only	
DC Voltmeter TR1, TR2, TR3.....	TEST
DC Voltmeter Selector.....	BAT
Galley Switch.....	ON
Lavatory Indicator Light.....	OFF
Equipment Cooling Supply & Exhaust Switches.....	NORMAL
Emergency Exit Lights (Inoperable On BBJ).....	ARMED
No Smoking Sign (Inoperable On BBJ).....	ON
Seatbelt Sign (Inoperable On BBJ).....	ON
Wiper (Left & Right).....	AS NEEDED
Window Heat (Overheat & Power).....	TEST
Window Heat (Left & Right).....	ON
Probe Heat (Left & Right).....	OFF
Wing Anti Ice.....	OFF
Engine Anti Ice (1 & 2).....	OFF
Electric Hydraulic Pumps (1 & 2).....	OFF
Engine Hydraulic Pumps (1 & 2).....	ON
Cockpit Voice Recorder.....	TEST
Engine Start Switches.....	OFF
Ignition Selector Switch.....	IGN L or IGN R
Voice Recorder.....	AUTO

Air Conditioning Panel (Cont Cabin / Air Temp / Pass Cabin)..SET

Supply Duct / Pass Cabin

Air Conditioning Selector (Left & Right).....AUTO/NORMAL

Recirculation Fan.....AUTO

Wing/Body OVHT.....TEST

Packs (Left & Right).....AUTO

Isolation Valve.....OPEN

Engine Bleed Switches (1 & 2).....ON

APU Bleed Switch.....ON

Dual Bleed Light

If Both The APU & Engine Bleeds Are Open, The Dual Bleed Light Will Illuminate

If Either The APU or Engine Bleeds Are Off, The Dual Bleed Light Will Extinguish

Pressurization Panel.....SET

Alt Alt Indicator = Enter Planned Flight Altitude | Manual Mode Selector = Closed

Land Alt Indicator = Enter Destination Airport Altitude | Altn Mode Selector = Auto

Exterior Lights.....AS REQUIRED

FORWARD PANEL & PEDESTAL

FMC.....	PROGRAM
EFIS Control Panel.....	SET
Flight Director Switches.....	ON
Auto Throttle (A/T ARM).....	OFF
IAS / MACH Indicator.....	SET
Heading Selector.....	Enter Assigned Heading or Runway Heading
Altitude Selector.....	SET
Autopilot Engage Switches.....	OFF
Autopilot Disengage Bar.....	UP
Main Panel & Lower DU Selectors.....	NORM
Auto Flight Annunciator.....	TEST
PFD / EADI.....	CHECK
ND / EHSI.....	CHECK
Altimeter.....	SET
Standby Gauges.....	CHECK / SET
N1 SET.....	AUTO
SPD REF.....	AUTO
Fuel Flow.....	RESET
Auto Brake.....	RTO
EICAS.....	CHECK
Parking Brake.....	SET
Speed Brake Lever.....	DOWN
Thrust Levers.....	IDLE
Reverse Levers.....	DOWN
Flaps.....	UP
Verify The Flaps Up Position Matches The Flap Indicator	

Engine Start Levers.....	CUTOFF
Stab Trim.....	NORMAL
Takeoff Warning Horn.....	TEST
Advance The Left/Right Throttle Lever, The Takeoff Horn Should Activate	
COMM Radios.....	CHECK / SET
NAV Radios.....	CHECK / SET
Audio Panel.....	SET
Rudder & Aileron Trim.....	ZERO
Transponder.....	TEST / SET / STANDBY
Pre-Departure Briefing.....	COMPLETE

BEFORE PUSHBACK / READY FOR PUSHBACK

Fuel Pump Switches.....	ON
APU Generator Switches.....	ON
Seat Belt Sign (Confirm).....	ON
Hydraulic A Pump Switches.....	OFF
Hydraulic B Pump Switches.....	ON
CDU Display.....	AS DESIRED
Flight Deck Door & Windows.....	LOCKED
Ground Equipment.....	DISCONNECTED / CLEAR
=====	
Stabilizer Trim (Confirm Green Band).....	SET
Anti Collision Lights.....	ON

ENGINE START

Pack Switches.....	BOTH OFF
Isolation Valve.....	AUTO
Duct Pressure Gauge.....	VERIFY 30+ PSI
Right Engine Start Switch.....	GRD
Right Engine Fuel Cutoff Lever.....	ON AT 20% N2
Right Engine Start Switch (After Return To AUTO).....	CONT
=====	
Left Engine Start Switch.....	GRD
Left Engine Fuel Cutoff Lever.....	ON AT 20% N2
Left Engine Start Switch (After Return To AUTO).....	CONT

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AFTER ENGINE START

Engine Generator Switches (1 & 2).....	ON
Hydraulic A Pump Switches.....	ON
Low Pressure Indicator Lights Extinguished	
AC Voltmeter Selector.....	GEN 1 or GEN 2
Engine Bleed Switches.....	BOTH ON
APU Bleed Switch.....	OFF
Confirm Dual Bleed Indicator Light Extinguished	
APU.....	AS NEEDED
Probe Heat Switches (A & B).....	ON
Master Caution System.....	RECALL
Engine (1 & 2) & Wing Anti Ice.....	AS REQUIRED
Pack Switches (Left & Right).....	AUTO
Isolation Valve.....	AUTO
Hydraulic System.....	CHECK
Taxi Clearance.....	OBTAIN

TAXI

Parking Brake.....	RELEASED
Taxi Lights.....	ON
Runway Turnoff Lights.....	ON
Flaps.....	SET
Extend Flaps To Takeoff Position	
Flight Controls.....	CHECK
Weight Manifest.....	CHECK / CORRECT
Cabin Notification.....	CREW NOTIFIED

CLEARED INTO POSITION

Auto Throttle.....	ARM
Engine Start Switches.....	CONT
Master Caution System.....	RECALL
Transponder.....	TA/RA
Press TFC And Verify TFC Is Displayed	
Exterior Lights.....	ON
Landing Lights, Anti Collision Lights, Strobe Lights, Wing Lights, (Logo Lights At Night)	
Clock ETE.....	RUN

TAKEOFF

Parking Brake.....	RELEASED
Throttles.....	ADVANCE TO 40% N1
Allow Engines To Stabilize, Once Stabilized Advance Throttles Toward N1	
Auto Throttle (Engage).....	TO/GA
Verify Proper Thrust Prior To 80 Kts, Observe Takeoff Thrust Being Set, Verify 80 Kts	
Verify Throttle Hold, Monitor Airspeed For V1 And VR, Rotate At VR Until Airborne	
Then Follow The Flight Director Pitch Commands	

AFTER TAKEOFF

Positive Rate Of Climb.....	GEAR UP
Once The Gear Is Retracted, Place The Gear Lever In The Off Position	
Flaps.....	RETRACT
Retract Flaps According To The Flap Schedule	
Auto Pilot.....	SET & ENGAGE
Activate V NAV & L NAV	
Do Not Engage The Auto Pilot Until Reaching An AGL Of 1000 Feet	
Air Conditioning & Pressurization.....	CHECK / SET

CLIMB

Auto Brake.....	OFF
Engine Start Switches.....	OFF
At 10,000 Feet.....	LANDING LIGHTS OFF
This Includes, Taxi Lights, Runway Turnoff Lights, Wing Lights, Logo Lights	
Seatbelt Sign (Inoperable On BBJ).....	AS NEEDED
Transition Altitude.....	SET ALTIMETER TO 29.92

CRUISE

Level Off At Assigned Altitude.....	CONFIRM
Flight Progress.....	MONITOR
Also Monitor: Navigation, Fuel Status, Aircraft Systems, Performance	
Arrival Procedure.....	PREPARE
Prior To Initial Descent: Review, Verify, And Enter Expected Arrival Procedure	

INITIAL DESCENT

Seatbelt Sign (Inoperable On BBJ).....	ON
Air Conditioning & Pressurization.....	CHECK / SET
Engine (1 & 2) & Wing Anti Ice.....	AS REQUIRED
Transition Altitude.....	LOCAL QNH
ATIS.....	OBTAIN
Engine Start Selectors.....	CONT
Approach Briefing.....	COMPLETE
Review Arrival Procedure, Final Airspeed, Flap Setting, Missed Approach Procedure	

FMC..... **ARRIVAL & APPROACH**

 Program Arrival & Approach Fixes As Required

Flight Instruments & Radios..... **SET**

 Identify, Tune, And Set Radios, Check & Verify Instruments, Set Vref Speeds

Below 10,000 Feet..... **LANDING LIGHTS ON**

 This Includes The Runway Turnoff, Taxi, Wing Lights | Turn Logo Lights On At Night

AS REQUIRED

Auto Brakes.....

Decision Height..... **SET**

FINAL APPROACH / LANDING

Master Caution..... **RECALL**

MCP Missed Approach Altitude..... **ENTER**

Speed Brake..... **ARMED**

Cabin Notification..... **CREW NOTIFIED**

Flaps..... **EXTEND DURING DECELERATION**

 Deploy Flaps According To The Flap Schedule

Landing Gear..... **DOWN**

 At Touchdown, Verify Spoiler Deployment, Decelerate Using Reversers & Brakes

 Reduce Reverse Thrust At 80 Knots, Reverse Thrust Should Be At Idle By 60 Knots

 Disconnect Autopilot & Auto Brakes Prior To Leaving The Runway

AFTER LANDING / TAXI

Autopilot..... **DISENGAGED**

Auto Throttle Switch..... **OFF**

Auto Brakes Selector..... **OFF**

Flight Director Switch..... **OFF**

Exterior Lights..... **SET**

 Landing Lights = Off, Anti Collision Lights = Off, Strobe Lights = Off,

 Wing Lights = Off, Position Lights = On, Taxi Lights = On, Runway Turnoff Lights = On

 Logo Lights On At Night

Flaps Lever..... **UP**

Speed Brake Lever..... **UP**

Transponder..... **STANDBY**

ETE Clock..... **STOP**

Engine Start Switches..... **OFF**

Engine (1 & 2) & Wing Anti Ice..... **OFF**

Stabilizer Trim..... **SET**

APU..... **AS REQUIRED**

 You Must Wait One Minute After APU Start, Before Using APU Bleed Air

Taxi & Runway Turnoff Lights..... **OFF**

 Turn Taxi & Runway Turnoff Lights Off Prior To Entering The Gate Area

SHUTDOWN / SECURE

Parking Brake..... **SET**

Passenger Signs (Inoperable On BBJ)..... **OFF**

AC Voltmeter Selector..... **APU GEN**

APU GEN Switches..... **ON**

Engine Start Levers..... **CUTOFF**

APU Bleed Switch..... **ON**

Engine Bleed Switches..... **OFF**

Ground Power & Air..... **ON**

AC Voltmeter Selector..... **GRD PWR**

 Check AC Voltmeter, Verify You Have A Minimum Of 115 Volts

APU Bleed Switch..... **OFF**

APU..... **OFF**

Exterior Lights..... **OFF**

Isolation Valve..... **OPEN**

Pack Switches (Left & Right)..... **AUTO**

Recirculation Fan..... **OFF**

Air Conditioning Selector (Left & Right)..... **AUTO/NORMAL**

Air Conditioning Panel (Cont Cabin / Air Temp / Pass Cabin)..... **SET**

 Supply Duct / Pass Cabin

Voice Recorder..... **AUTO**

Hydraulic Pumps (Engine)..... **OFF**

Hydraulic Pumps (Electric)..... **OFF**

Engine (1 & 2) & Wing Anti Ice..... **OFF**

Probe Heat Switches (A & B)..... **OFF**

Window Heat Switches..... **OFF**

Ignition Selector Switch..... **BOTH**

Wiper (Left & Right)..... **OFF**

Emergency Exit Lights (Inoperable On BBJ)..... **OFF**

Fuel Pumps..... **OFF**

Auxiliary Fuel Transfer (FWD: A&B / AFT: A&B)..... **OFF**

 BBJ Aircraft Only

Yaw Damper..... **OFF**

Align IRS..... **OFF**

Galley Switch..... **OFF**

AC / DC Voltmeters..... **STANDBY POWER**

Ground Power..... **OFF/DISCONNECT**

Bus Transfer..... **OFF**

Standby Power..... **OFF**

Battery..... **OFF**