

Supplementary Procedure / Electrical - Power Up

Battery Switch.....**GUARD/CLOSED**
 Do Not Move The Aircraft Until The Integrated Standby Flight Display (ISFD) Alignment Is Complete

Aircraft With Flight Deck Auxiliary Power Outlets
 Devices Plugged Into The Flight Deck Auxiliary Power Outlets During Electrical Power Up
 Will Not Be Powered Until The Plugs Are Removed and Reinserted

Standby Power.....**GUARD/CLOSED**

Alternate Flaps (Master Switch).....**GUARD/CLOSED**

Windshield Wiper Selector(s).....**PARK**

Electric Hydraulic Pumps Switches.....**OFF**

Landing Gear Lever.....**DN**

Verify The Following
 Green Landing Gear Indicator Lights Are Illuminated | Red Landing Gear Indicator Lights Are Extinguished

Ground Power (If External Power Is Needed).....**CONNECT**
 Verify That The GRD Power Available Indicator Light Is Illuminated

Ground Power Switch.....**ON**

Verify The Following
 Source Off Indicator Lights Are Extinguished, Transfer Bus Off Indicator Lights Are Extinguished
 Standby Power Off Indicator Light Is Extinguished

Engine/APU Fire Warning System & Extinguishers.....**TEST**

FAULT INOP & OVHT FIRE = Test | ENGINE & APU EXT (1 & 2) = Test
 ENG OVHT DET Selectors = Normal | MASTER CAUTION System = Reset

APU.....**START**

Operate At Least One Fuel Boost Pump To Supply Fuel To The APU

APU Generator Bus Switches.....**ON**

Verify The Following Items Are Extinguished
 Source Off Indicator Lights, Transfer Bus Off Indicator Lights, Standby Power Off Indicator Light, APU Maint Indicator Light
 APU Low Oil Pressure Indicator Light, APU Fault Indicator Light, APU OverSpeed Indicator Light

Wheel well Fire Warning System.....**TEST**

Supplementary Procedure / Electrical - Standby Power Test

Battery Switch.....**ON**

AC/DC Meter Selectors.....**STBY PWR**

APU Generator Switches (1 & 2).....**OFF**

If APU Generator Is Online

Ground Power Switch.....**OFF**

If Ground Power Is Online

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

Confirm Standby Power Off Indicator Light Illuminates

AC/DC Voltmeters.....**ZERO**

Standby Power Switch.....**BAT**

Confirm Standby Power Off Indicator Light Extinguishes

AC/DC Voltmeters.....**CHECK**

AC Voltmeter 115 +/- 5 Volts | DC Voltmeter 24 +/- 2 Volts

Frequency Meter.....**CHECK**

Check Frequency Meter For Normal Indication: 400 +/- 10 CPS

DC Voltmeter Selector.....**BAT**

Check DC Voltmeter For Normal Indication: 24 +/- 2 Volts
 Check DC Ammeter For Discharge Indication: A Negative Value

DC Voltmeter Selector.....**AUTO BAT**

Check DC Voltmeter For Normal Indication: 24 +/- 2 Volts
 Check DC Ammeter For Discharge Indication: A Negative Value

Standby Power Switch.....**AUTO**

APU Generator Switches (1 & 2).....**ON**

If APU Generator Is Online

Ground Power Switch.....**ON**

If Ground Power Is Online

WARNING

It May Take Up To 3 Minutes For The CDS Displays To Recover
 When Power Is Interrupted For More Than 2 Seconds On The Ground

Preliminary Preflight Procedure / Overhead

IRS Mode Selectors.....OFF, then NAV

Verify The Following

ON DC Indicator Lights Illuminate Then Extinguish & Align Indicator Lights Illuminate
The Unable Req'd Nav Perf-Rnp Message May Show Until The IRS Alignment Is Complete

Voice Recorder Switch.....AS NEEDED

Oxygen Pressure.....CHECK

Verify Sufficient For Flight

Hydraulic Quantity.....CHECK

Verify Sufficient For Flight

Engine Oil Quantity.....CHECK

Verify Sufficient For Flight

Maintenance Documents.....CHECK

Flight Deck Access System Switch.....GUARD/CLOSED

Emergency Equipment.....CHECK

Fire Extinguisher: Checked/Stowed | Crash Axe: Stowed
Escape Rope: Stowed | Other Needed Equipment: Checked/Stowed

PSEU Light.....VERIFY EXTINGUISHED

GPS Light.....VERIFY EXTINGUISHED

ILS Light.....VERIFY EXTINGUISHED

GLS Light.....VERIFY EXTINGUISHED

Service Interphone Switch.....OFF

Engine Panel.....SET

Verify The Following

Reverser Indicator Lights Are Extinguished | Engine Control Indicator Lights Are Extinguished

EEC Switches.....ON

Oxygen Panel.....SET

Passenger Oxygen Switch: Guard/Closed

Verify Passenger Oxygen Indicator Light Is Extinguished And That The Pressure Meets Dispatch Requirements

Landing Gear Indicator Lights.....ILLUMINATED

Flight Recorder Switch.....GUARD/CLOSED

Circuit Breakers (P6 Panel).....CHECK

Manual Gear Extension Access Door.....CLOSED

Circuit Breakers (P18 Panel).....CHECK

Parking Brake.....AS NEEDED

Set Parking Brake If Brake Wear Indicators Are Going To Be Checked During Inspection

CDU Preflight Procedure

Initial Data.....SET

Verify The Following

Model & Engine Rating Are Correct & Navigation Data Base Active Date Range Is Current

POS INIT.....SET

Verify/Set The Following

Time Is Correct & Enter Present Position On The SET IRS POS Line

Navigation Data.....SET

Enter The Following

<p>Route Page Enter Origin, Route & Flight Number Activate & Execute Route</p>	<p>Departures Page Select and Execute, Runway and Departure Routing</p>	<p>Legs Page Verify or Enter The correct RNP For Departure Verify Correct Route On The RTE Page, Ensure Compliance With flight Plan</p>
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Performance Data.....SET

Enter The Following

<p>Perf Init Page Enter ZFW, Verify Sufficient Fuel and that CDU Fuel Quantity Indicators Agree</p>	<p>N1 Limit Page Select Assumed Temp or Fixed Derate Takeoff Select Full or Derate Climb Thrust</p>	<p>Takeoff Ref Page Verify Trim Value <u>Select or Enter</u> CG and Takeoff Speeds Acceleration Height Engine Out Acceleration Height Thrust Reduction Altitude</p>
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Designed by: Michael Swannick

Exterior Inspection

Conduct Exterior Inspection.....COMPLETE

Before Each Flight The Captain, First Officer, or Maintenance Crew Must Verify The Aircraft Is Satisfactory For Flight

Preliminary Preflight Procedure / Overhead

Flight Control Switches.....GUARDS/CLOSEDVerify The Following

Flight Control Low Pressure Indicator Lights Are Illuminated

Flight Spoiler Switches.....GUARDS/CLOSED**Yaw Damper Switch.....ON**Verify The Following

Yaw Damper Indicator Light Is Extinguished | STBY RUD ON Indicator Light Is Extinguished

Standby Hydraulic Low Quantity Indicator Light and Standby Hydraulic Low Pressure Indicator Light Is Extinguished

Alternate Flaps Master Switch.....GUARD/CLOSED**Alternate Position Switch.....OFF**Verify The Following

FEEL DIF PRESS & SPEED TRIM FAIL Indicator Lights Are Extinguished

MACH TRIM FAIL & AUTO SLAT FAIL Indicator Lights Are Extinguished

Navigation/VHF NAV Switch.....NORMAL**Navigation/IRS Transfer Switch.....NORMAL****Navigation/FMC Transfer Switch.....NORMAL****Display/SOURCE Selector.....AUTO****Display/CONTROL PANEL Selector.....NORMAL****Cross Feed Selector.....CLOSED**Verify The Following

Valve Open Indicator Light Is Extinguished

Fuel Pump Switches.....OFFVerify The Following

Center Tank Fuel Pump Low Pressure Indicator Lights Are Extinguished

Main Tank Fuel Pump Low Pressure Indicator Lights Are Illuminated

Battery Switch.....GUARD/CLOSED**CAB/UTIL.....ON****IFE/PASS SEAT.....ON****Standby Power.....GUARD/CLOSED**Verify The Following

STANDBY PWR OFF & BAT DISCHARGE Indicator Lights Are Extinguished

TR UNIT & ELEC Indicator Lights Are Extinguished

Generator Drive Disconnect Switches.....GUARDS/CLOSED

Verify That The DRIVE Indicator Lights Are Illuminated

BUS TRANSFER Switch.....GUARD/CLOSED

Verify That The TRANSFER BUS OFF & SOURCE OFF Lights Are Extinguished

Verify That The GEN OFF BUS Indicator Lights Are Illuminated

Lavatory Smoke Light.....EXTINGUISHED**Equipment Cooling Switches.....NORM**

Verify That The OFF Indicator Lights Are Extinguished

Emergency Exit Lights Switch.....GUARD/CLOSED

Verify That The NOT ARMED Indicator Lights Are Extinguished

Passenger Signs.....SET

No Smoking Switch & Fasten Seat Belt Switch, Set To AUTO or ON

Windshield Wiper Selectors.....PARK

Verify That The Windshield Wipers Are Stowed

Window Heat Switches.....ON

Position Switches ON At Least 10 Minutes Before Takeoff

Verify That The Overheat Indicator Lights Are Extinguished

Verify That The ON Indicator Lights Are Illuminated

(Except At High Ambient Temperatures)

Verify That The OFF Indicator Lights Are Extinguished

(Except At High Ambient Temperatures)

Probe Heat Switches.....OFF

Verify That All Indicator Lights Are Illuminated

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Preliminary Preflight Procedure / Overhead

Wing Anti-Ice Switch	OFF
Verify That The VALVE OPEN Indicator Lights Are Extinguished Verify That The ICE DETECTOR Indicator Light Is Extinguished	
Engine Anti-Ice Switches	OFF
Verify That The COWL ANTI-ICE Indicator Lights Are Extinguished Verify That The COWL VALVE OPEN Indicator Lights Are Extinguished	
Hydraulic Pumps Engine Switches	ON
Verify That The LOW PRESSURE Indicator Lights Are Illuminated	
Hydraulic Pumps Electric Switches	OFF
Verify That The OVERHEAT Indicator Lights Are Extinguished Verify That The LOW PRESSURE Indicator Lights Are Illuminated	
High Altitude Landing Switch	AS NEEDED
Verify That The INOP Indicator Light Is Extinguished	
Air Temperature Source Selector	AS NEEDED
TRIM AIR Switch	ON
Verify That The DUCT OVERHEAT Indicator Lights Are Extinguished Verify That The ZONE TEMP Indicator Lights Are Extinguished	
Temperature Selectors	AS NEEDED
Verify That The RAM DOOR FULL OPEN Indicator Lights Are Illuminated	
Recirculation Fan Switches	AUTO
Verify That The Air Conditioning Switches Are Set To AUTO or HIGH	
Isolation Valve Switch	OPEN
Engine Bleed Air Switches	ON
APU Bleed Air Switch	ON
<u>Verify The Following</u> DUAL BLEED Light Is Illuminated PACK & PACK TRIP OFF Lights Are Extinguished WING-BODY OVERHEAT & BLEED TRIP OFF Lights Are Extinguished	
Cabin Pressurization Panel	SET
<u>Verify The Following</u> AUTO FAIL & OFF SCHED DESCENT Indicator Lights Are Extinguished Flight Altitude Indicator: <u>Enter Cruise Altitude</u> Landing Altitude Indicator: <u>Enter Destination Field Elevation</u>	
Pressurization Mode Selector	AUTO
Verify That The ALTN & MANUAL Indicator Lights Are Extinguished	
Landing Lights Switch	RETRACT/OFF
Runway Turnoff Light Switches	OFF
Taxi Light Switch	OFF
Ignition Select Switch	IGN L or IGN R
Alternate The Ignition Select Switch Position On Subsequent Starts	
Engine Start Switches	AUTO or OFF
With Automatic Ignition, Set To AUTO / Without Automatic Ignition, Set To OFF	
Logo Light Switch	AS NEEDED
Position Light Switch	AS NEEDED
Strobe Light Switch	OFF
Anti-Collision Light Switch	OFF
Wing Illumination Switch	AS NEEDED
Wheel Well Light Switch	AS NEEDED

Preliminary Preflight Procedure / Forward Panel & Pedestal

Course Selectors.....**SET**

Flight Director Switches.....**ON**

Move The F/D Switch For Pilot Flying To ON First

EFIS Control Panel.....**SET**

Set The Following

Minimums: Select RADIO or BARO | Minimums: Set D/H or Altitude Reference

Barometric Reference Selector: IN or HPA | Barometric Selector Set QNH

Mode Selector: Map | Weather Radar: Off

Set The Following As Needed

Flight Path Vector Switch | Meters Switch | VOR/ADF Switches

Center Switch | Range Selector | Traffic Switch | Map Switches

Crew Oxygen Pressure.....**CHECK**

Verify That The Pressure Is Sufficient For Dispatch

Oxygen Mask.....**STOWED/CLOSED**

Oxygen Reset/Test.....**PRESS/HOLD**

Verify That The Yellow Cross Shows Momentarily In The Flow Indicator

Oxygen Mask Emergency Test Selector.....**PRESS/HOLD**

Continue To Press The Oxygen Reset/Test Button While Pressing The

Oxygen Mask Emergency Test Selector For 5 Seconds

Verify That The Yellow Cross Shows Continuously In The Flow Indicator

Verify That The Crew Oxygen Pressure Does Not Decrease More Than 100 psig

Release The Oxygen Reset/Test & Oxygen Mask Emergency Test Buttons

Verify That The Yellow Cross No Longer Shows In The Flow Indicator

Normal/100% - Switch - 100%

Electronic Flight Bag.....**SET**

Clock.....**SET**

Nose Wheel Steering Switch.....**GUARD/CLOSED**

Main Panel Display Unit Selector.....**NORM**

Lower Display Unit Selector.....**NORM**

Takeoff Config Light.....**EXTINGUISHED**

If Installed And Operative

Cabin Altitude Light.....**EXTINGUISHED**

If Installed And Operative

Disengage Light Test Switch.....**HOLD TO 1**

Verify That The A/P Indicator Light Is Illuminated Steady Amber

Verify That The A/T Indicator Light Is Illuminated Steady Amber

Verify That The FMC Indicator Light Is Illuminated Steady Amber

Disengage Light Test Switch.....**HOLD TO 2**

Verify That The A/P Indicator Light Is Illuminated Steady Red

Verify That The A/T Indicator Light Is Illuminated Steady Red

Verify That The FMC Indicator Light Is Illuminated Steady Red

Do The Initial Data And Navigation Data Steps From The CDU Preflight

Procedure And Verify That The IRS Alignment Is Complete

Before Checking The Flight Instruments

Flight Instruments.....**CHECK**

Verify That The Flight Instrument Indications Are Correct

Verify That These Flags Are Shown

TCAS OFF | NO VSPD Until V-Speeds Are Selected | Expected RMI Flags

Verify That The Flight Mode Annunciations Are Correct

Autothrottle Mode Is Blank | Roll mode Is Blank | AFDS Status Is FD

After Verification Select MAP MODE

Standby Instruments.....**CHECK**

Standby Horizon: Set

Gyro Caging Control: Pull, then Release | Approach Mode Selector: As Needed

Verify Flight Instruments Are Correct | Verify No Flags Are Shown

Standby Altimeter: Set

Verify Flight Instruments Are Correct | Verify No Flags Are Shown

Integrated Standby Flight Display.....**SET**

Verify Approach Mode Display Is Blank | Set Altimeter

Verify Flight Instruments Are Correct | Verify No Flags Are Shown

Preliminary Preflight Procedure / Forward Panel & Pedestal

Standby RMI	SET
Select Either VOR or ADF	
Brake Temp Light	EXTINGUISHED
Flap Inhibit Switch	GUARD/CLOSED
Gear Inhibit Switch	GUARD/CLOSED
Terrain Inhibit Switch	GUARD/CLOSED
Verify That The INOP Indicator Light Is Extinguished	
Landing Gear Lever	DN
<u>Verify The Following</u>	
Green Landing Gear Indicator Lights Are Illuminated	
Red Landing Gear Indicator Lights Are Extinguished	
Auto Brake Selector Switch	RTO
Verify That The Auto Brake Disarm Light Is Extinguished	
Antiskid INOP Light	EXTINGUISHED
N1 Set Selector	AUTO
Speed Reference Selector	AUTO
Fuel Flow Switch	RESET, then RATE
Engine Instruments	CHECK
Verify: Primary & Secondary Engine Indications Show Existing Conditions	
Verify: No Exceedance Shown & Hydraulic Quantity Does Not Show RF	
MFD Cancel/Recall Switch	PUSH
Verify That The Autoland Status Advisory Messages Are Not Shown	
Speed Brake Lever	DOWN/DETENT
Verify That The Speed Brake Armed Indicator Light Is Extinguished	
Verify That The Speed Brake Do Not Arm Indicator Light Is Extinguished	
Verify That The Speedbrakes Extended Indicator Light Is Extinguished	
Reverse Thrust Levers	DOWN
Forward Thrust Levers	CLOSED
Flap Lever	SET
Set Flap Level To Agree With The Flap Position	
Verify That The Flap Load Relief Indicator Light Is Extinguished	
Parking Brake	SET
Verify That The Parking Brake Warning Light Is Illuminated	
Do Not Assume That The Parking Brake Will Prevent Airplane Movement	
Accumulator Pressure Can Be Insufficient	
Engine Start Levers	CUTOFF
Stabilizer Trim Cutout Switches	NORMAL
HUD System	AS NEEDED
Radio Tuning Panel	SET
WARNING	
Do Not Key HF Radio While Aircraft Is Being Fueled	
Injury To Personnel or Fire May Result	
VHF Communications Radios	SET
VHF Navigation Radios	SET FOR DEPARTURE
Audio Control Panel	SET
ADF Radios	SET
Weather Radar Panel	SET
Transponder Panel	SET
Stabilizer Trim Override Switch	GUARD/CLOSED

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Pushback Procedure / Before Start Procedure

Flight Deck Door	CLOSED & LOCKED
Verify That The LOCK FAIL Indicator Light Is Extinguished	
CDU Display	SET
N1 Bugs	CHECK
Verify That The N1 Reference Bugs Are Correct	
IAS Bugs	SET
<u>Verify The Following</u>	
Speed Bugs Are Set At V1, VR, V2 + 15, And Flaps Up Maneuvering Speed	
MCP	SET
Autothrottle Arm Switch: ARM IAS/MACH Selector: Set V2 Arm LNAV As Needed Arm VNAV Set Initial Heading & Altitude	
Taxi & Takeoff Briefings	COMPLETE
Exterior Doors	VERIFY CLOSED
Flight Deck Windows	CLOSED & LOCKED
Establish Communications With Ground Crew	COMPLETE
Do Not Hold or Turn The Nose Wheel Steering Wheel During Pushback - This Can Damage The Nose Gear or Tow Bar Do not Use The Airplane Brakes To Stop The Airplane During Pushback - This Can Damage The Nose Gear or Tow Bar	
Parking Brake	SET
Set or Release The Parking Brake As Directed By Ground Crew <u>When Pushback Is Complete</u> Verify That The Tow Bar Is Disconnected - Verify That The Nose Gear Lockout Pin Is Removed	
Fuel Panel	SET
<u>If Center Fuel Tank Quantity Exceeds 1,000 Pounds</u> Left & Right Center Fuel Pumps Switches: ON Verify That The Low Pressure Lights Illuminate Momentarily, Then Extinguish If The Low Pressure Lights Stay Illuminated, Turn Off Center Fuel Pumps AFT & Forward Fuel Pumps Switches: ON Verify That The Low Pressure Lights Illuminate Are Extinguished	
Hydraulic Panel	SET
System A Hydraulic Pump Switches: OFF Verify That The System A Pump Low Pressure Lights Are Illuminated System B Hydraulic Pump Switches: ON Verify That The System B Pump Low Pressure Lights Are Extinguished Verify That Brake Pressure Is 2800 psi Minimum Verify That Hydraulic System B Pressure Is 2800 psi Minimum Electric Hydraulic Pump Switches: ON Verify That The Electric Pump Low Pressure Lights Are Extinguished Verify That Brake Pressure Is 2800 psi Minimum Verify That The System A & B Pressures Are 2800 psi Minimum	
Anti Collision Light Switch	ON
Trim	SET
Check Each Trim For Freedom Of Movement	
Stabilizer Trim	___ UNITS
Set Trim For Takeoff Verify Trim Is In The Green Band Aileron Trim: 0 Rudder Trim: 0	

Engine Start Procedure

Select Secondary Engine Indications

Air Conditioning Pack Switches	OFF
Start Sequence	ANNOUNCE
Right Engine Start Switch	GRD
Verify N2 RPM Increases	
Right Engine Start Lever	IDLE AT 20% N2
Right Engine Start Switch / Confirm Return To Auto Verify That The Start Valve Open Alert Extinguishes Monitor N1, N2, EGT, Fuel Flow and Oil Pressure For Normal Indications When The Engine Is Stable At Idle, Start The Other Engine	
Left Engine Start Switch	GRD
Verify N2 RPM Increases	
Left Engine Start Lever	IDLE AT 20% N2
Left Engine Start Switch / Confirm Return To Auto Verify That The Start Valve Open Alert Extinguishes Monitor N1, N2, EGT, Fuel Flow and Oil Pressure For Normal Indications	

Before Taxi Procedure

Generator 1 & 2 Switches	ON
Probe Heat Switches	ON
Wing Anti-Ice Switch	AS NEEDED
Engine Anti-Ice Switches	AS NEEDED
Pack Switches	AUTO
Isolation Valve Switch	AUTO
APU Bleed Air Switch	OFF
Engine Start Switches	CONT
Engine Start Levers	IDLE/DETENT
Verify Ground Equipment Is Clear	
Flaps Lever	SET TAKEOFF FLAPS
Verify That The LE FLAPS EXT Green Light Is Illuminated	
Flight Controls	CHECK
Verify Freedom Of Movement & Return To Center	
Lower Display Unit	BLANK
Transponder	AS NEEDED
Airports Where Ground Tracking Is Not Available, Select STBY	
Airports Equipped To Track Aircraft On The Ground	
Select An Active Transponder Setting, But Not A TCAS Mode	
Recall	CHECK
Verify All System Annunciator Panel Lights Illuminate & Then Extinguish	
EFB Airport Map Application	SELECT
Do Not Use The Airport Map Application As A Primary Navigation Reference	
The Airport Map Application	
Is Designed To Aid Flight Crew Positional Awareness Only	

Taxi Procedure / Before Takeoff Procedure

Taxi Light Switch	ON
Runway Turnoff Light Switches	ON
Flaps	SET
Confirm Flaps Are Set For Takeoff	
Stabilizer Trim	SET
Confirm Trim Is Set For Takeoff Confirm Trim Is In The Green Band	
Parking Brake	RELEASED
Center Fuel Tank Quantity Check	
Both Center Fuel Tank Pump Switches Must Be Off For Takeoff	
If The Center Tank Has Less Than 5000 Pounds Of Fuel	
Weather Radar Display	AS NEEDED
Terrain Display	AS NEEDED
Cabin Notification	CREW NOTIFIED
Verify Cabin Is Secure And Notify The Cabin Crew To Prepare For Takeoff	

Cleared Into Position / Takeoff Procedure

Exterior Lights	ON
Landing, Anti Collision, Strobe And Wing Lights, Logo Lights On At Night	
Clock ETE	RUN
Transponder	TA/RA
Brakes	RELEASED
Throttles	ADVANCE TO 40% N1
Allow Engines To Stabilize	
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 F/D Pitch Commands	

After Takeoff

- Positive Rate Of Climb**.....**GEAR UP**
 Once The Gear Is Retracted, Place The Gear Lever In The Off Position
 Above 400 Feet Radio Altitude, Call for A Roll Mode As Needed
 At Thrust Reduction Height, Verify Climb Thrust Is Set
- Flaps**.....**RETRACT**
 Retract Flaps According To The Flaps Schedule
 After Flaps/Slats Retraction, Activate VNAV
- Autopilot**.....**SET & ENGAGE**
Engage Autopilot
 When Above The Minimum Altitude For Autopilot Engagement
- Engine Bleeds**.....**SET/VERIFY**
- Engine Start Switches**.....**AUTO or OFF**
 With Automatic Ignition, Set To AUTO / Without Automatic Ignition, Set To OFF
- Auto Brake Selector Switch**.....**OFF**

Climb / Cruise Procedure

- At 10,000 Feet**.....**LANDING LIGHTS OFF**
 This Include Taxi, Runway Turnoff, Wing And Logo Lights
- Fuel Pumps**.....**SET/VERIFY**
 If The Center Fuel Tank Pumps Were Turned Off For Takeoff And The
 Center Tank Contains More Than 1000 Pounds Of Fuel, Set Both
 Center Fuel Tank Pumps To On Above 10,000 Feet
 When The Center Tank Fuel Quantity Reaches Approximately 1000 Pounds
 Turn Off The Center Fuel Tank Pumps
- Passenger Signs**.....**AS NEEDED**
- Transition Altitude**.....**29.92in / 1013hpa**
- Level Off At Assigned Altitude**.....**CONFIRM**
- Flight Progress**.....**MONITOR**
- Arrival Procedure**.....**PREPARE**
Before Top Of Descent
 Modify The Active Route As Needed For The Arrival And Approach
 Verify or Enter The Correct RNP For Arrival

Descent Procedure

- Pressurization**.....**AIRPORT ALTITUDE**
- Recall**.....**CHECKED**
 Recall & Review System Annunciator Lights
- Autobrake**.....**SET**
- Landing Data**.....**VREF __, MINIMUMS __**
 Enter/Verify VREF On The Approach REF Page
 Set Radio/Baro Minimums As Needed For approach
 Set/Verify Navigation Radios & Course For The Approach
- Approach Briefing**.....**COMPLETED**

Approach Procedure

- Passenger Signs**.....**SET**
- Transition Altitude**.....**SET LOCAL QNH**
- At 10,000 Feet**.....**LANDING LIGHTS ON**
This Includes The Following
 Landing, Anti Collision, Strobe And Wing Lights, Logo Lights On At Night

Landing Procedure - (ILS)

- Cabin Notification**.....**CREW NOTIFIED**
 Notify Cabin Crew To Prepare For Landing | Verify Cabin Is Secure
- Flaps**.....**EXTEND**
 Extend Flaps According To The Flaps Schedule
 Monitor Flaps/Slats Extension
- Localizer Intercept**.....**VERIFY**
 Verify ILS Is Tuned & Identified
 Verify The LOC & G/S Pointers Are Shown
 Verify That The Localizer Is Captured

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Landing Procedure - (ILS)

Glide Slope.....WHEN ACTIVE

Set Flaps Lever to 15 Degrees

Engine Start Switches.....CONT**Speed Brake.....ARM**

Verify That The Speed Brake Armed Light Is Illuminated

Landing Gear.....DN

Verify That The Green Landing Lights Illuminate

Glide Slope.....CAPTUREDSet Flaps For Landing In Accordance With The Flaps Schedule
Enter Missed Approach Altitude On The MCPAt Final Approach Fix or OM, Verify The Crossing Altitude
Monitor The Approach & Verify Autoland Status At 500 Feet Radio Altitude

Landing Procedure - (Instrument Approach Using VNAV)

Cabin Notification.....CREW NOTIFIED

Notify Cabin Crew To Prepare For Landing | Verify Cabin Is Secure

Flaps.....EXTENDExtend Flaps According To The Flaps Schedule
Monitor Flaps/Slats Extension**Roll Mode For Final Approach.....VERIFY**For A RNAV or GPS Approach Use LNAV
For A LOC-BC, VOR or NDB Approach Use LNAV
For A LOC, SDF or LDA Approach, Use LNAV or VOR/LOCVerify That The VNAV Glide Path Angle Is Shown On The
Final Approach Segment Of The LEGS Page**Final Approach Course.....INTERCEPT HEADING**When On Final Approach Intercept Heading For LOC, LOC-BC, SDF or LDA
Verify That The Localizer Is Tuned & Identified
Verify That The LOC Pointer Is ShownSelect LNAV or Arm The VOR/LOC
Use LNAV or HDG SEL To Intercept The Final Approach Course As Needed
Verify That LNAV IS Engaged or That VOR/LOC Is CapturedApproximately 2NM Before Final Approach Fix And After ALT Hold or
VNAV PTH or VNAV ALT Is AnnunciatedVerify Autopilot Is Engaged | Set DA (H) or MDA (H) On The MCP
Select or Verify Speed Intervention | Select or Verify VNAV**Glide Slope.....WHEN ACTIVE**

Set Flaps Lever to 15 Degrees

Engine Start Switches.....CONT**Speed Brake.....ARM**

Verify That The Speed Brake Armed Light Is Illuminated

Landing Gear.....DN

Verify That The Green Landing Lights Illuminate

Final Approach Descent.....FLAPS

Set Flaps For Landing In Accordance With The Flaps Schedule

Landing.....SET MCPAt 300 Feet Below The Missed Approach Altitude
Set The Missed Approach Altitude On The MCPAt Final approach Fix
Verify The Crossing altitude And Crosscheck Altimeters

Monitor The approach

If Suitable Visual Reference Is Established At DA (H), MDA (H) or The
Missed Approach Point, Disengage The Autopilot & Autothrottle
Maintain Glide Path To LandingThis Procedure Is Not Authorized Using QFE

Go-Around & Missed Approach Procedure

- TO/GA.....PRESS**
 Verify Rotation To Go-Around Attitude & Increased Thrust
 Verify Thrust Is Sufficient For Go-Around or Adjust As Needed
- Flaps.....15**
 Monitor Flap Retraction
- Landing Gear.....UP**
 Verify Positive Rate Of Climb
 Once The Gear Is Retracted, Place The Gear Lever In The Off Position
- Above 400 Feet
 Verify LNAV or Select HDG SEL As Appropriate
 Verify Proper Mode Annunciation
 Verify Missed Approach Route Is Tracked
- Flaps.....RETRACT**
 Retract Flaps According To The Flaps Schedule
 After Flap Retraction, Select LVL CHG | VNAV May Be Selected If Flaps Are Up
 Verify Climb Thrust Is Set | Verify Missed Approach Altitude Is Captured
- Engine Start Switches.....AS NEEDED**
After Takeoff Checklist.....COMPLETE

Shutdown Procedure

- Parking Brake.....SET**
 Verify Parking Brake Warning Light Is Illuminated
- Electrical Power.....SET**

<u>APU Power</u>	<u>GRD Power</u>
APU Generator Bus Lights Illuminated	Ground Power Available Lights Illuminated
APU Generator Bus Switches ON	GRD Power Switch ON
Verify Source Off Lights Are Extinguished	Verify Source Off Lights Are Extinguished

- Engine Start Levers.....CUTOFF**
- Fasten Seatbelt Sign Switch.....OFF**
- Ant Collision Light Switch.....OFF**
- Fuel Pump Switches.....OFF**
 Do not Use Center Fuel Tank Pumps If Flight Deck Is Unattended
- CAB/UTIL Power Switch.....AS NEEDED**
- IFE/PASS Seat Power Switch.....AS NEEDED**
- Wing Anti-Ice Switch.....OFF**
- Engine Anti-Ice Switches.....OFF**
- Probe Heat Switches.....OFF**
 Confirm Probe Heat Switches Are Off
- Hydraulic Panel.....SET**
 Engine Hydraulic Pump Switches: ON
 Electric Hydraulic Pump Switches: OFF
- Recirculation Fan Switches.....AS NEEDED**
- Air Conditioning Pack Switches.....AUTO**
- Isolation Valve Switch.....OPEN**
- Engine Bleed Air Switches.....ON**
- APU Bleed Air Switch.....ON**
- Exterior Lights Switches.....AS NEEDED**
- Flight Director Switches.....OFF**
- Transponder Mode Selector.....STBY**
- Weather Radar.....OFF**
- Flaps.....UP**
 Confirm Flaps Are Up
- EFB Close Flight.....SELECT**

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Shutdown Procedure

Parking Brake.....RELEASE**WARNING**

Only Release Parking Brake After Chocks Are In Place

APU Switch.....AS NEEDED

Secure Procedure

Emergency Exit Lights Switch.....OFF**Window Heat Switches.....OFF****Air Conditioning Pack Switches.....OFF****EFB Power Switch.....PUSH**

Boeing 737NG Series Weight Limitations

737-600	Weights	Pounds / Kilograms
	Maximum Taxi Weight	127,500 / 57,832
	Maximum Takeoff Weight	127,000 / 57,606
	Maximum Landing Weight	120,500 / 54,657
	Maximum Zero Fuel Weight	114,000 / 51,709

737-700	Weights	Pounds / Kilograms
	Maximum Taxi Weight	133,500 / 60,554
	Maximum Takeoff Weight	133,000 / 60,327
	Maximum Landing Weight	128,000 / 58,059
	Maximum Zero Fuel Weight	120,500 / 54,657

737-800	Weights	Pounds / Kilograms
	Maximum Taxi Weight	156,000 / 70,760
	Maximum Takeoff Weight	155,500 / 70,533
	Maximum Landing Weight	144,000 / 65,317
	Maximum Zero Fuel Weight	136,000 / 61,688

737-900	Weights	Pounds / Kilograms
	Maximum Taxi Weight	174,700 / 79,242
	Maximum Takeoff Weight	174,200 / 79,015
	Maximum Landing Weight	146,300 / 66,360
	Maximum Zero Fuel Weight	138,300 / 62,731