

Phenom 100 Normal Checklist



COCKPIT / CABIN SAFETY INSPECTION

Courtesy Light	Check
Emergency Door Locking Pin	Remove
Emergency Door	Secured and Locked
Water Barrier	As Required
Documents Manuals and Charts	Check On Board
Emergency Equipment	Check
Oxygen Bottle Valve	Push to Restore
SUPPLY CONTROL Knob	PAX Auto
Oxygen Mask Regulator	Check 100%
ELECTRICAL Panel	Check
Circuit Breakers	Check
FUEL PUMPS	Auto
FUEL XFR	Pushed Out
ELT	Armed
PUSHER CUTOUT	Pushed Out
HYD PUMP	Auto
Gust Lock Pin	Remove
Rudder Gust Lock	Release
HEATING Panel	Check
ICE PROTECTION Panel	Check
LDG GEAR Lever	DN
PRESSURIZATION Panel	Check
AIR CONDITIONING Panel	As Required
FIRE EXTINGUISHER Panel	Check
Start/Stop Knobs	Stop
Flap Lever	Zero
Parking Brake	Set
Seats and Belts	Condition

BEFORE START

Winds / Aircraft Orientation	Check within Start Limits
Gear Pins / Steering Link	3 Onboard & Connect
Maintenance Status	Check
VOR Check Log	Check
Flight Log	Check
Lights	As Required
ENG IGNITION	AUTO
Thrust Levers	Idle
Flap Control CB	Pull
Batteries	On
GPU	As Required
Parking Brake / Chocks	Set & Remove
Circuit Breakers	Check
Navigation Database	Current
Oxygen Mask Flow and Microphone	Check
Fuel Quantity and Balance	Check
Oxygen Pressure	Verify
TEST Panel	Test

If no GPU - Perform These Steps	
Doors	Closed
BATT Voltage	Check
SIGNS/OUTLET	PED/Belts
Air Conditioning	Off
ADS/AOA HTR	ON (as required in icing)
Right Engine	Start

Altimeters	Set & Crosscheck
Flight Plan	Enter
T/O Temp / ATR	Enter & Set
LFE	Enter
Weather Radar	Standby
Weights	Enter
T/O Speeds / Acceleration Altitude	Enter & Check
Flight Director / AFCS	Set
Coms / Navs / Transponder	Set
Taxi / Takeoff Briefing	Complete

Immediately Prior to Start

Doors	Closed
BATT Voltage	Check
SIGNS/OUTLET	PED/Belts
Air Conditioning	Off
ADS/AOA HTR	ON (as required in icing)

ENGINE START

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This checklist does not replace the Airplane Flight Manual or Normal Checklist published by Embraer. Use this as reference only and at your own risk.

AFTER START	
Engine Instruments	Check
GPU	Disconnect
ELEC EMER	Check (as required)
Flap Control CB	In
Circuit Breakers	Check
Air Conditioning	Auto
Flight Controls	Free & Correct
Trims	Check & Set
Flaps	Set for Takeoff
T/O Temp / ATR	Verify
Ice Protection	As Required
Block Out Time	Record

BEFORE TAKEOFF	
Brakes	Check
Takeoff Configuration	Check
Flight Instruments	Check
CAS Messages	Check

Immediately Prior to Takeoff	
Ice Protection	As Required
Lights	Set
Time Off	Record

AFTER TAKEOFF	
LDG Gear	Check Up
Flaps	Zero
Thrust Levers	Con/Clb
Yaw Damper	On
Pressurization	Check

CLIMB TRANSITION ALTITUDE	
Altimeters	Set & Crosscheck
SIGNS/OUTLET	As Required
Lights	Set
Windshield Heating	On

DESCENT	
Windshield Heating	On
Pressurization	Check LFE
Icing Conditions	Verify
Landing Speeds	Set

Transition Level	
Altimeters	Set & Crosscheck
SIGNS/OUTLET	PED/Belts
Lights	Set
Fuel XFR	Pushed Out
Approach Briefing	Complete

BEFORE LANDING	
LDG Gear	Down Three Green
Flaps	Set for Landing
Yaw Damper	Off

AFTER LANDING	
Flaps	Zero
Lights	Set
Landing Time	Record

SHUTDOWN	
Thrust Levers	Idle (2 Minutes)
Parking Brake	Set
SIGNS/OUTLET	Off
Flap Control CB	Pull
HEATING Panel	Check
ICE PROTECTION Panel	Check
Air Conditioning	Off
Start/Stop Knobs	Stop
Block In Time	Record
Flight Log	Complete

LEAVING THE AIRPLANE	
Oxygen Bottle Valve	Pull to Cutout
Batteries	Off
Gust Lock Pin	Install
Rudder Gust Lock	Lock
Gear Pins / Steering Link	Install & Connect
Parking Brake / Chocks	Released & In

Landing Data
Approach Flaps 2 / Landing Flaps 2 / 1,000 Feet / A/I Off

Weight	V _{fs}	V _{ac}	V _{ref}	LDG Dist.
7100		92	91	2433
7500		94	92	2433
7900		96	94	2498
8300	116	99	97	2586
8700	119	100	98	2677
9100	121	102	101	2764
9500	124	104	104	2860
9900	126	106	106	2952