

# Phenom 300 Normal Checklist



## COCKPIT / CABIN SAFETY INSPECTION

Emergency Door Locking Pin	Remove
Emergency Door	Secured and Locked
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
PNEUMATIC Panel	Check
FUEL PUMPS	Auto
XFEED Knob	Auto
HYD PUMP SOV Switches	Open
ELT	Armed
PUSHER CUTOUT	Pushed Out
Gust Lock Pin	Remove
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
Speed Brake	Closed
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
ENG IGNITION	AUTO
Thrust Levers	Idle
Batteries	On
GPU	As Required
Parking Brake / Chocks	Set & Remove
Circuit Breakers	Check
Navigation Databases	Current
Oxygen Mask Flow and Microphone	Check
CVR Test	Passed
Fuel Quantity and Balance	Check
Oxygen Pressure	Verify
TEST Panel	3 Tests & Off
Lights	As Required
Emergency Lights	Armed

If no GPU and Battery Voltage < 24.3 V - Perform These Steps:

Doors	Closed
BATT Voltage	Check
SIGNS/OUTLET	PED/Belts
Air Conditioning	Auto
ADS PROBES	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
IFE	Off
SIGNS/OUTLET	PED/Belts
Air Conditioning	Off
ADS PROBES	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)
Air Conditioning	Auto
SWPS / Test Panel	Test & Off
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
IFE	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
IFE	Off
SIGNS/OUTLET	PED/Belts
Lights	Set
XFEED Knob	Off
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
HEATING Panel	Check
ICE PROTECTION Panel	Check
Start/Stop Knobs	Stop
MFD Status Page	Check
Block In Time	Record
Flight Log	Complete

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

Takeoff Pitch Trim Setting			
CG Mac	Flap 1	Flap 2	
19.0	7.7	6.8	
24.0	8.9	8.2	
27.0	9.6	9.0	
30.0	10.3	9.9	
33.0	11.0	10.7	
35.0	11.7	11.5	
39.0	12.4	12.4	
42.0	12.4	12.4	

Landing Data - Flaps 3					
Approach Flaps 1 / Landing Flaps 3 / 1,000 Feet / A/I Off					
Weight	V <sub>fs</sub>	V <sub>ac</sub>	V <sub>ref</sub>	LDG Dist.	
13600	119	109	105	2330	
14000	121	110	107	2378	
14400	122	111	108	2423	
14800	124	113	110	2468	
15200	126	114	111	2514	
15600	127	116	113	2560	
16000	129	117	114	2606	
16400	130	119	115	2650	
16800	132	120	117	2693	
17200	133	121	118	2738	