

# Boeing 727-200F

## Atlantic Sun Airways CAT B Pilot Procedures



**This is the second of a series of Atlantic Sun Airways CAT B pilot procedures and checklists for our fleet. Use them with good judgment.**

### General Characteristics

#### **Dimensions:**

Wing Span: 108 ft  
Length: 153 ft 2 in  
Height: 34 ft  
Wing Area: 1700 sq. ft

#### **Engines:**

Three 14,500 lb Pratt & Whitney JT8D-9 turbofans

#### **Weight and Capacities**

Operating Empty: 100,000 lbs  
Max ZFW: 155,000 lbs.  
Max T/O Weight: 203,100 lbs.  
Cargo: 12 containers on the main deck  
Fuel Capacity: 8,105 gal.

Crew: 3 + 3

#### **Performance:**

Max Cruising Speed: 515 kts  
Economical Cruise speed: 467 kts  
Range with max payload: 2140 nm  
Range with max fuel: 2400 nm



## THE CHECKLISTS

### PRESTART CHECKLIST

Parking Brake  
 Throttle  
 Fuel Flow  
 BATT Master Switch  
 Landing Gear Lever  
 Flaps  
 Spoiler  
 Fuel Quantity  
 Pitot Heat  
 De-Ice  
 Aircraft Lighting  
 Flight Controls  
 Check Weather  
 De-Ice  
*Request Clearance*  
 Transponder  
 Beacon

SET  
 IDLE  
 CUTOFF  
 ON  
 CHECK DOWN  
 UP  
 RETRACTED  
 CHECK  
 OFF  
 OFF  
 OFF  
 FREE AND CORRECT  
 (ATIS, Flight Service)  
 TEST/CHECK  
  
 STANDBY  
 ON



**TAKEOFF CHECKLIST**

Smoothly increase thrust to  
Takeoff Thrust  
Brakes  
V1=  
Vr=  
Pitch  
V2=  
At Positive Climb Rate  
    Landing Gear  
At 190 KIAS  
At 210 KIAS

40% N1 let spool up  
FULL or TO/GA  
RELEASE  
140 KIAS (decision)  
145 KIAS (rotate)  
10-deg. nose up  
150 KIAS (safety speed)  
Touch Brakes  
RETRACT  
RETRACT flaps to 2 deg.  
RETRACT flap up

**CLIMBOUT CHECKLIST**

Throttle  
Trim for  
Autopilot/Autothrottle  
  
Below 10,000' max. speed

AS REQUIRED  
250 KIAS / 1800 fpm  
CHECK and ACTIVATE  
  
250KIAS

*ATC*

Landing Lights  
Above 10,000' speed

*AS REQUIRED*  
OFF  
280 KIAS

**CRUISE CHECKLIST (above FL 180)**

At Transition Altitude (FL180) set Altimeter to  
Accelerate to cruise speed

29.92 (1013 mb)  
FL180 0.68 mach  
FL240 0.78 mach  
FL280 0.80 mach  
FL330 0.80 mach

Engine+ Instruments  
Fuel Quantity  
Radios  
Autopilot  
Lights

CHECK  
CHECK  
TUNED and SET  
CHECK and SET  
AS REQUIRED

## DESCENT CHECKLIST

ATIS /Airport Information  
Altimeter  
Radios  
De-ice

CHECK  
CHECK  
CHECK  
AS REQUIRED

Descent Speed

to FL240 0.78 mach  
to FL180 0.68 mach

At Transition Altitude (FL180) reset Altimeters to local

to 12,000' 300 KIAS  
Below 10,000' 250 KIAS

Fuel Quantities and Balance  
Flaps /Landing Gear  
Check Weather

CHECK  
CHECK UP  
(ATIS, Flight Service)

## APPROACH CHECKLIST

On Localizer Level flight:

Avionics + Radios

SET  
210 KIAS

Speed: Establish

Landing Lights

ON

Auto Spoilers

ARM

Flap Lever Position

2 deg.

Speed: Establish

190KIAS

Flap Lever Position

5 deg.

Speed: Establish

160KIAS

Flap Lever Position

15 deg.

Speed: Establish

150 KIAS

Flap Lever Position

25 deg.

Landing Gear

DOWN

Set Flap Lever Position

30 deg or FULL

*Final glide Slope Descent:*

Speed Establish

140 KIAS

Elevator Trim

AS DESIRED

Parking Brake

VERIFY OFF

De-ice

AS REQUIRED

### LANDING CHECKLIST

Landing Gear	CHECK DOWN
Autopilot	OFF
Landing Speed	130 KIAS
After Touchdown	Apply Reverse Thrust
	60KIAS: Cancel Reverse Thrust
Spoilers	VERIFY EXTENDED
Brakes	AS REQUIRED

### TAXI TO RAMP CHECKLIST

Strobe Light	OFF
Flaps	UP
Spoilers	RETRACTED
Taxi Lights /Runway Turnoff Lights	ON
Landing Lights	OFF
Speed	Max. 20 knots
Transponder	1200/OFF
Elevator Trim	TAKEOFF SETTING

### SHUTDOWN CHECKLIST

Parking Brake	SET
Throttles	IDLE
Air-conditioning Fan	OFF
Pitot Heat	OFF
De-ice	OFF
Taxi Lights / Runway turnoff Lights	OFF
Nav Lights	OFF
F/D	OFF
Fuel flow	OFF
Alt/Generators	OFF
Engine Start Switches 1 - 2 - 3	VERIFY OFF
Beacon	OFF
Cargo Door	OPEN
BATT Master Switch	OFF

### SECURING AIRCRAFT

Parking Brake	VERIFY SET
Throttles	VERIFY IDLE
All Switches	VERIFY OFF
Cargo Door	CLOSED

Good Luck and enjoy using these procedures, I have flight tested and verified them on FS9. Of course if you have a real Boeing 727-200F use the Operating Procedures in your AFM!

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