Boeing 717

Atlantic Sun Airways CAT B Pilot Procedures



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

General Characteristics

Dimensions:

Span 93 ft. 3 in. Length 124 ft. Height 29 ft. 1 in.

Engines:

717-200BGW – Two-18,000 lb Rolls-Royce BR715-A1-30 turbofans 717-200HGW – Same or optionally 20,000 lb or 21,000 lb. BR 715s.

Weight and Capacities

717BGW - Operating Empty: 69,830 lb.

Max TOW: 110,100 lb

717-200HGW - Operating Empty: 70,790 lb.

Passengers: 106

Crew: 2 + 1



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

Fasten Seat Belts

No Smoking

Check Weather

De-Ice

Request Clearance

Transponder

Beacon

SET

IDLE CUTOFF

ON

CHECK DOWN

UP

RETRACTED

CHECK

OFF OFF

OFF

FREE AND CORRECT

ON

ON

(ATIS, Flight Service)

TEST/CHECK

STANDBY

ON

STARTUP CHECKLIST

ACTIVATE Engine/Throttle Panel **Thrust Levers** IDLE **Engine Area CLEAR**

Eng 1 Start Switch **START** At N2>20% fuel flow eng1 ON N1 Increasing as N2 incr. CHECK Oil Pressure **CHECK** Alt/Generator ON

Repeat for Eng 2

Air-conditioning Fan ON

BEFORE TAXI CHECKLIST

Nav Lights ON Taxi Lights / Runway Turnoff Lights ON Multi-Functional Display **CONFG** Heading Indicator/Altimeters SET Standby Instruments SET

Radios and Avionics **SET FOR DEPARTURE Autopilot** SET, don't activate

ON

F/D Flight Director

Elevator Trim SET for takeoff

Request Taxi Clearance

TAXI CHECKLIST

Parking Brake **RELEASE**

Taxi to assigned runway SPEED Max. 20 knots Brakes/Gyro/Turn Coordinator CHECK during taxi/turns

BEFORE TAKEOFF CHECKLIST

Parking Brake SET Throttle **IDLE**

Elevator Trim SET for takeoff Flap Position Lever FLAPS 5 deg. **Spoilers RETRACTED**

Flight Instruments CHECK **Engine Instruments CHECK** Takeoff Data (V1, Vr, V2) **CHECK** Nav Equipment **CHECK Landing Lights** ON Taxi Lights / Runway Turnoff Lights **OFF**

Strobe Lights ON Pitot Heat ON

AS REQUIRED De-ice

Transponder ON

Request Takeoff Clearance

TAKEOFF CHECKLIST

Smoothly increase thrust to 40% N1 let spool up Takeoff Thrust FULL or TO/GA

Brakes RELEASE

 V1=
 140 KIAS (decision)

 Vr=
 150 KIAS (rotate)

 Pitch
 10-deg. nose up

 V2=
 160 KIAS (safety specified)

V2= 160 KIAS (safety speed)
At Positive Climb Rate Touch Brakes

Landing Gear RETRACT

At 1000' AGL RETRACT flaps to 1 deg.
At 210 KIAS RETRACT flap up

CLIMBOUT CHECKLIST

Throttle AS REQUIRED
Trim for 250 KIAS / 1800 fpm

Autopilot/Autothrottle CHECK and ACTIVATE

Below 10,000' max. speed 250KIAS

ATC AS REQUIRED

Fasten Seatbelts OFF
No Smoking OFF
Landing Lights OFF
Above 10,000' speed 280 KIAS

CRUISE CHECKLIST (above FL 180)

At Transition Altitude (FL180) set Altimeter to

29.92 (1013 mb)

Accelerate to cruise speed

FL180 0.67 mach

FL240 0.76 mach FL280 0.78 mach FL330 0.78 mach

Engine+ Instruments CHECK Fuel Quantity CHECK

Radios TUNED and SET
Autopilot CHECK and SET
Lights AS REQUIRED

DESCENT CHECKLIST

ATIS /Airport Information **CHECK** Altimeter **CHECK** Radios CHECK

De-ice

AS REQUIRED Descent Speed to FL240 0.75 mach to FL180 0.65 mach

At Transition Altitude (FL180) reset Altimeters to local

to 12,000' 280 KIAS Below 10,000' 250 KIAS

Fuel Quantities and Balance CHECK **CHECK UP** Flaps /Landing Gear

Check Weather (ATIS, Flight Service)

APPROACH CHECKLIST

On Localizer Level flight:

Fasten Seat Belts ON No Smoking ON Avionics + Radios SET Speed: Establish **210 KIAS Landing Lights** ON **Auto Spoilers** ARM Flap Lever Position 5→10 deg.

Speed: Establish **180KIAS** Flap Lever Position 15→20 dea. Speed: Establish 160KIAS **Landing Gear DOWN**

Set Flap Lever Position 30 deg or FULL

Final glide Slope Descent:

Speed Establish **145 KIAS** Elevator Trim **AS DESIRED VERIFY OFF** Parking Brake

De-ice **AS REQUIRED**

LANDING CHECKLIST

Landing Gear CHECK DOWN **Autopilot OFF Landing Speed 140 KIAS** At Touchdown Pitch to +1 Deg. 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

SET Parking Brake **Throttles IDLE** Passenger Signs OFF Air-conditioning Fan **OFF** Pitot Heat **OFF OFF** De-ice Taxi Lights / Runway turnoff Lights **OFF OFF Nav Lights** F/D OFF Fuel flow **OFF** Alt/Generators 1 – 2 **OFF**

Engine Start Switches 1 - 2 VERIFY OFF

Beacon OFF
Passenger Door OPEN
BATT Master Switch OFF

SECURING AIRCRAFT

Parking Brake VERIFY SET
Throttles VERIFY IDLE
All Switches VERIFY OFF
Passenger 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 717 use the Operating Procedures in your AFM!

Ted Feiertag
Training Manager Atlantic Sun Airways