



BOMBARDIER
AEROSPACE

COCKPIT PREPARATION

Dash8
Q400

Color Coding: NORMAL APU STARTUP PROCEDURE

November 2017

BEFORE FIRST FLIGHT OF THE DAY (PNF)

EXTERNAL WALK AROUND BY PF	COMPLETED
BATTERY SWITCHES	ALL ON
DC GENS	ON
EXTERNAL POWER	AS REQUIRED
COCKPIT LIGHTS	AS REQUIRED
ALL SCREENS	ON
APU CIRCUIT BREAKER	IN
APU POWER	ON
APU FIRE TEST	TESTED
APU START	PRESS
APU GENERATOR / LOADING	ONLINE / CHECKED
DOCUMENTATION	ONBOARD
MASKS OXYGEN x3	CHECK GREEN
GEAR PINS	IN SITU x3
SMOKE HOOD	IN SITU
TORCHES	IN SITU x2
CRASH AXE	IN SITU
FIRE EXTINGUISHER	IN SITU
FIRE GLOVES	IN SITU
SMOKE GOGGLES	IN SITU

BEFORE FIRST FLIGHT OF THE DAY (CPT)

CIRCUIT BREAKERS	IN
TAKEOFF WARNING TEST HORN	TESTED
ADC	TESTED x2
STALL COMPUTERS	TESTED x2

BEFORE FIRST FLIGHT OF THE DAY (F/O)

CIRCUIT BREAKERS	IN
OXYGEN LEVEL	IN LIMITS
FWD OUTFLOW VALVE	CLOSED

BEFORE FIRST FLIGHT OF THE DAY (PNF)

OVERHEAD CHECKS

BATTERIES	ALL ON
MAIN BUS TIE	TIE
DC GENS	ON
EXTERNAL POWER	AS REQUIRED
DEICE BOOTS SELECTORS	OFF
PROP TEST	OFF
ICE PROTECTION INTAKE DOORS	OPEN
REF SWITCH (ED INDICATION)	TESTED / OFF
BOOT AIR SWITCH	NORMAL
PITOT STATIC SWITCH	OFF
WINDSHIELD HEAT	OFF
WINDSHIELD WIPERS	OFF
PILOT SIDE WINDOW HEAT	OFF
ALL EXTERNAL LIGHTS	OFF
PRESS COMPUTER INDICATORS	CHECKED
FDR	TESTED
FIRE DETECT LEFT / RIGHT, C/Ls	TESTED x2
BAGGAGE SMOKE DETECTOR	TESTED x2
PANEL LIGHTS	TESTED, AS REQUIRED
STORM / DOME LIGHTS	TESTED, AS REQUIRED
APU BLEED	AS REQUIRED
IGNITIONS	NORMAL x2
START SELECT SWITCH	CENTERED
START / SELECT LIGHTS	OUT
CABIN ALTITUDE	SET
PRESSURIZATION MODE	AUTO
FWD OUTFLOW VALVE	CLOSED
EXTERNAL LIGHTS	AS REQUIRED
EMERGENCY LIGHTS	TESTED & ARMED
NO SMOKING SIGNS	TESTED / ON



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November 2017

FLIGHT DECK SAFETY CHECKS (PNF)

DOCUMENTATION	ONBOARD
BATTERIES	ON & CHECKD
MAIN BUS TIE	TIE
DC EXTERNAL POWER/APU	ON
BATTERY TEMPS	CHECKED
BUS VOLTAGES	CHECKED
SAFETY EQUIPMENT: SMOKE GOOGLES, FIRE GLOVES, CRASH EXE, TORCHES, SMOKE HOOD, ESCAPE ROPE, LIFE VESTS, FIRE EXTINGUISHERS	CHECKED
LDG GEAR LIGHTS	CHECKED 3
ENGINE INTAKE DOORS	GREEN
CIRCUIT BREAKERS	CHECKED IN
ALT GEAR DOOR, INHIBIT SWITCH	NORM
FIRE AND SMOKE DETECTION	TESTED
BLEED AIR 1 & 2	OFF
APU BLEEDS	AS REQUIRED
RECIRC FAN	ON
PRESSURIZATION	SET & CHECKED
A/C PACKS	CHECKED
EMERGENCY LIGHTS	ARM
FUEL TRANSFER, QUANTITY	OFF, ___L/___R
PARKING BRAKE, PRESSURE	ON & CHECKED
POWER AND CONDITION LEVERS	DISC, FUEL OFF
NOSE STEERING	OFF
FMS	SET
T/O AND DEPARTURE BRIEFING	COMPLETED

BEFORE START (F/O)

TRIMS	SET x3
DOOR AND FUELING LIGHTS	OUT
PASSENGER SIGNS	ON
CABIN REPORT	RECEIVED
FLIGHT DECK DOOR	LOCKED
A/COL LIGHTS	RED
APU BLEED	OFF
BATTERIES, BUS VOLTS	ON > 26V; FOR BATT START > 22V

AFTER START (F/O)

EXT POWER / APU	DISCONN. / OFF
MAIN BUS TIE	OFF
ELECTRICAL PANELS	CHECKED
COND. LEVERS	MAX
AUTOFEATHER	SELECTED / WHITE
FUEL PUMPS	ON
HYDRAULICS	CHECKED
FLAPS & SPEEDS	XCHECK & TABLE
RUDDER	FULL TRAVEL
NOSE STEERING	ON
PFD MFD ED	CHECKED
BLEEDS	ON / MIN
DE-ICE PRESSURE	CHECKED
ICE PROTECTION	TEST / SET
XPDR, TCAS	ALT, ON

TAXI (F/O)

BRAKES	CHECKED
TAKEOFF WARNING	TESTED
TAKEOFF POWER	NTOP OR RDC %
FLIGHT INSTRUMENTS	CHECKED
#3 HYD PUMP ON, ELEVATOR ANDAILERONS FULL TRAVEL, #3 HYD PUMP OFF	FULL TRAVEL
YAW DAMPER	ON
CLEARANCES	REVIEWED BY PF
CABIN	SECURED

LINE UP (F/O)

A/COL LIGHTS	WHITE
LANDING LIGHTS	ON
PITOT/STATIC ISOL VALVE	ON
BLEEDS	AS REQUIRED
AFCS MODES: GA, HDG, ALTSEL	SET & CHECKED
CAUTION PANEL	BLACK

AFTER TAKEOFF (PNF)

LANDING GEAR	UP
FLAPS	ZERO
BLEEDS	ON/NORM
CLIMB POWER	SET



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CLIMB (PNF)

ALTIMETERS	1013/29.92
ICE PROTECTION	AS REQUIRED
PRESSURIZATION	CHECKED
STBY HYD, PTU	NORM
FUEL PUMPS	OFF
AUTO FEATHER	OFF

DESCENT (PNF)

PRESSURIZATION	SET
GPWS FLAPS	AS REQUIRED
BRIEFING, MSA, SPEEDS, DH/MDA	TABLE / SET

APPROACH (PNF)

ALTIMETERS	QNH SET
FUEL TRANSFER	OFF
FUEL PUMPS	ON
STBY HYD, PTU	ON
HYDRAULICS	CHECKED
PASSENGER SIGNS	ON
CAUTION PANEL	BLACK
CABIN	SECURED

LANDING (PNF)

ICE PROTECTION	AS REQUIRED
LANDING GEAR	DOWN 3 GREENS
CONDITION LEVERS	MAX
FLAPS	SET / INDICATING
BLEEDS	MIN / AS REQUIRED

AFTER LANDING (F/O)

CONTROL LOCK	ON
A/COL LIGHTS	RED
FLAPS	ZERO
WEATHER RADAR	STBY
FUEL PUMPS	OFF
FLIGHT / TAXI	TAXI
ICE PROTECTION	OFF
MAIN BUS TIE	TIE
YAW DAMPER	OFF

SHUTDOWN (F/O)

PARK BRAKE	ON
HYD PUMP / PTU	NORM
POWER AND CONDITION LEVERS	DISC / START & FEATHER
NOSE STEERING	OFF
WXR	OFF
XPDR / TCAS	STBY
BLEEDS	MIN / OFF
GPU / APU	AS REQUIRED
COND. LEVERS (AFTER 30s)	FUEL OFF
PASSENGER SIGNS	OFF
LIGHTS	AS REQUIRED
BATTERY MASTER	AS REQD (ON & APU)

LEAVING AIRCRAFT (F/O)

ICE PROTECTION / INTAKE DOORS	OFF / CLOSED
RECIRC FAN	OFF
IGNITIONS	OFF
APU	OFF
EMERGENCY LIGHTS	OFF
ANTI-SKID	OFF
BATTERIES & BATT MASTER	OFF
DOMES & BOARDING LIGHTS	OFF

When flying in icing conditions, add 20 kts to V APP, V REF, V GA for flaps 10°, 15° and 35°.

FLAP RETRACTION INITIATION SPEED (VFRI) FINAL TAKEOFF SPEED (V SCLIMB)

WEIGHT	V FRI FLAP 5°	V FRI FLAP 10°	V FRI FLAP 15°	V CLIMB
18.000 KG	116	110	107	130
20.000 KG	120	112	109	131
22.000 KG	126	118	115	137
24.000 KG	132	123	120	143
26.000 KG	137	128	125	148
28.000 KG	142	134	130	154
29.000 KG	146	137	133	158