

**PREFLIGHT CHECK**

1	Aircraft preparation / outside check	.....COMPLETED (according AFM)	..... 1
2	Baggage and rear door	.....CLOSED and LATCHED	..... 2
3	Tow bar	.....REMOVED & SECURED	..... 3
4	Cabin	.....CHECKED	..... 4
5	Aircraft papers & aircraft log	.....CHECKED	..... 5
6	Load sheet	.....WITHIN LIMITS	..... 6

**PREFLIGHT CHECK COMPLETED**
**COCKPIT PREPARATION**

1	Parking brake	.....SET	..... 1
2	Rudder pedals	.....ADJUSTED & LOCKED	..... 2
3	Seat belts & harness	.....FASTENED	..... 3
4	Fuel selectors (2)	.....ON	..... 4
5	Power lever (2)	.....CHECKED / IDLE	..... 5
6	Alternate air	.....CLOSED	..... 6
7	Manual gear extension handle	.....PUSHED	..... 7
8	Gear selector	.....DOWN	..... 8
9	Avionic master	.....OFF	..... 9
10	Electric master	.....OFF	..... 10
11	Engine masters (2)	.....OFF	..... 11
12	Start key	.....OUT	..... 12
13	Pitot heat	.....OFF	..... 13
14	Alternate static	.....CLOSED	..... 14
15	Alternators (2)	.....ON	..... 15
16	VOTER switches (2)	.....AUTO	..... 16
17	All light	.....OFF	..... 17
18	Emergency switch	.....OFF / GUARDED	..... 18
19	ELT	.....ARMED	..... 19
20	Circuit breakers	.....CHECKED	..... 20
21	Flaps	.....UP	..... 21
22	Fuel pumps (2)	.....OFF	..... 22

**COCKPIT PREPARATION COMPLETED**
**CHECK BEFORE ENGINES START**

1	Electric master	.....ON	..... 1
2	Gear warning & fire detector	.....TESTED	..... 2
3	Trims	.....CHECKED	..... 3
4	Flight controls	.....FREE	..... 4
5	Variable elevator backstop	.....CHECKED	..... 5
6	G1000	.....DATA CHECKED / ACKNOWLEDGE	..... 6
7	Annunciations / engine instrument	.....CHECKED	..... 7
8	Fuel quantity	.....CHECKED / RESET (if required)	..... 8
9	Fuel temperature	.....CHECKED	..... 9
10	Rear door	.....CLOSED & LATCHED	..... 10
11	Front canopy	.....POSITION 1 or 2	..... 11

**CHECK BEFORE ENGINES START COMPLETED**

## ENGINES START

1	Strobe light.....	ON.....	1
2	Start key.....	INSERT.....	2
3	Power levers (2).....	IDLE.....	3

### *Start one engine at a time, normal sequence: first start LH engine*

4	Engine master .....	ON.....	4
5	Annunciation / engine instruments.....	CHECK.....	5
6	Glow annunciation .....	OFF.....	6
7	Propeller area .....	CLEAR.....	7
8	Start key.....	ON (release when engine started).....	8
9	Oil pressure .....	CHECK (out of red within 3 seconds).....	9
10	Annunciations / engine / system page.....	CHECK.....	10
11	IDLE RPM 710 ± 30.....	CHECK.....	11
12	Voltage, electrical load.....	CHECK.....	12

### *Start RH engine, repeat sequence 4 to 12*

## **ENGINES START COMPLETED**

## CHECK AFTER ENGINES START

1	Annunciations .....	CHECK.....	1
2	Fuel selectors (2).....	X-FEED.....	2
3	De-ice ANNUN-TEST .....	AS REQUIRED (ON / time check).....	3
4	Avionics master .....	ON.....	4
5	Flood light .....	AS REQUIRED.....	5
6	Position light .....	ON.....	6
7	Ammeter .....	CHECK.....	7
8	Flaps .....	UP - APP - LDG - APP (or UP).....	8
9	Pitot heat.....	CHECK.....	9
10	Cabin heat & defroster.....	AS REQUIRED.....	10
11	Flight instruments .....	SET & CHECK.....	11
12	Autopilot / trim.....	TEST.....	12
13	Engine temperature .....	CHECK.....	13
14	Fuel selectors (2).....	ON.....	14
15	De-ice system .....	CHECK, if required.....	15

## **CHECK AFTER ENGINES START COMPLETED**

## TAXI CHECK

1	Brakes & steering .....	CHECKED.....	1
2	Flight instruments .....	CHECKED.....	2

## **TAXI CHECK COMPLETED**

**RUN-UP**

- 1 Parking brake ..... SET ..... 1
- 2 Fuel selectors (2) ..... ON ..... 2
- 3 Circuit breakers ..... CHECK ..... 3
- 4 Engine instruments ..... GREEN ..... 4
- 5 Zone behind aircraft ..... CLEAR ..... 5
- 6 Power levers (2) ..... IDLE ..... 6
- 7 ECU TEST ..... PERFORM ..... 7
- 8 VOTER switches (2) ..... A / AUTO / B / AUTO ..... 8

**RUN-UP COMPLETED**

**CHECK BEFORE DEPARTURE**

- 1 Alternate air ..... CLOSED ..... 1
- 2 Flight controls ..... FREE & CORRECT L / R / UP / DN ..... 2
- 3 Trims ..... SET FOR T/O ..... 3
- 4 Flaps ..... SET T/O ..... 4
- 5 Avionics ..... SET ..... 5
- 6 Fuel quantity ..... L+R / ENDURANCE ..... 6
- 7 Fuel pumps (2) ..... ON ..... 7
- 8 Pitot heat ..... AS REQUIRED ..... 8
- 9 Cabin and pax ..... SECURED ..... 9
- 10 ATC clearance ..... VERIFIED ..... 10
- 11 Departure briefing ..... COMPLETED ..... 11

**CHECK BEFORE DEPARTURE COMPLETED**

**LINE UP CHECK**

- 1 Canopy / rear door ..... CLOSED & LOCKED ..... 1
- 2 Time ..... NOTED ..... 2
- 3 Transponder ..... CODE / MODE CHECKED ..... 3
- 4 Approach sector & runway ..... CLEAR ..... 4
- 5 Landing light ..... ON ..... 5
- 6 De-ice system ..... AS REQUIRED ..... 6

**LINE UP CHECK COMPLETED**

*Before brake release: available power check*

**Available power check**

10 seconds power MAX, RPM 2250 - 2300, min load according to table below

		OAT [°C]									
		-35	-20	-10	0	10	20	30	40	50	
Altitude [ft]	0										91%
	2000	99%						97%	96%	93%	/
	4000										/
	6000										/
	8000			98%	98%	98%	96%	95%	92%	/	
	10000	98%	97%	97%	95%	94%	92%	89%	/	/	

### **CLIMB CHECK**

1	Gear .....	UP .....	1
2	Flaps .....	UP .....	2
3	Climb power .....	SET (92%).....	3
4	Fuel pumps (2) .....	OFF .....	4
5	Engine instruments .....	CHECKED.....	5
6	Alternate air .....	AS REQUIRED.....	6
7	Landing light.....	AS REQUIRED.....	7

***CLIMB CHECK COMPLETED***

### **CRUISE CHECK**

1	Altimeters .....	CHECKED (STD / QNH) .....	1
2	Cruise power .....	SET .....	2
3	Engine Instruments .....	CHECKED.....	3
4	Fuel quantity.....	L+R / ENDURANCE .....	4

***CRUISE CHECK COMPLETED***

### **DESCENT CHECK**

1	ATIS or AD information .....	RECEIVED .....	1
2	Approach briefing .....	COMPLETED .....	2
3	Avionics .....	SET .....	3
4	Circuit breakers .....	CHECKED.....	4
5	Cabin & pax.....	SECURED.....	5

***DESCENT CHECK COMPLETED***

### **APPROACH CHECK**

1	Altimeters .....	QNH SET .....	1
2	Fuel pumps (2) .....	ON (operative engine).....	2
3	Fuel quantity.....	L+ R / ENDURANCE.....	3
4	Fuel selectors (2) .....	ON (operative engine).....	4
5	Gear warning & fire detector .....	TESTED .....	5
6	Landing light.....	ON.....	6

***APPROACH CHECK COMPLETED***

### **LANDING CHECK**

1	Gear .....	3 GREENS CHECKED.....	1
2	Flaps .....	SET FOR LANDING.....	2
3	Park brake .....	RELEASED .....	3
4	Rudder trim .....	NEUTRAL.....	4

***LANDING CHECK COMPLETED***

**AFTER LANDING CHECK**

1	Time .....	NOTE .....	1
2	Alternate air .....	CLOSE .....	2
3	Pitot heat .....	OFF .....	3
4	Fuel pumps (2) .....	OFF .....	4
5	Flaps .....	UP .....	5
6	Landing light .....	OFF .....	6

**AFTER LANDING CHECK COMPLETED**
**ENGINE SHUT DOWN AND PARKING**

1	Parking brake .....	SET .....	1
2	Power levers (2) .....	MAX 10% for 1 min .....	2
3	Engine instruments .....	CHECK .....	3
4	Remaining fuel / time counter .....	NOTE .....	4
5	121.500 .....	CHECK .....	5
6	Avionic master .....	OFF .....	6
7	Electrical consumers (except strobe light) .....	OFF .....	7
8	Engine masters (2) .....	OFF .....	8
9	Start key .....	REMOVE .....	9
10	Strobe light .....	OFF .....	10
11	Electric master .....	OFF .....	11
12	Flight data & documents .....	NOTE & COMPLETE .....	12
13	Aircraft .....	TO BE SECURED .....	13

**PARKING CHECK COMPLETED**

	<i>up to 1900 kg</i>	
	<i>flaps UP</i>	<i>flaps APP</i>
<i>V<sub>R</sub> rotate</i>	80	76
<i>V<sub>X</sub> best angle</i>	-	82
<i>V<sub>Y</sub> best rate</i>	90	85
<i>V<sub>YSE</sub> blue line</i>	85	
<i>V<sub>YSE</sub> blue line in ice</i>	88	

	<i>up to 1900 kg</i>	<i>in ice</i>
<i>V<sub>REF</sub> flaps UP</i>	86	94
<i>V<sub>REF</sub> flaps APP</i>	84	90
<i>V<sub>REF</sub> flaps LDG</i>	84	<i>prohibited</i>

INTENTIONALLY LEFT BLANK