

WILCO Airbus A320

Normal Procedures



This procedure- and checklist is based on the original procedure- and checklist from Airbus but modified in content and sequence to work with “WILCO Airbus A320” and Steffen Froemter’s “Ultimate Airbus A32x V2”.

1. PRELIMINARY COCKPIT PREPARATION						
NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
1	OVERHEAD			DOORS	OPEN (BOTH)	Left and right side of the aircraft
2	OVERHEAD	ELEC		BAT 1 + 2 (Batteries)	ON (BOTH)	
3	OVERHEAD	ELEC		EXT PWR (External Power)	ON	Becomes AVAIL at least after 1 minute
4	OVERHEAD	APU		MASTER SW	ON	
5	OVERHEAD	APU		START	ON	Becomes AVAIL after a short period
6	OVERHEAD	APU		BLEED	ON	Only after APU START is AVAIL
7	OVERHEAD			GND CTL (Co-Pilot Functionality)	ON	If Co-Pilot functionality should be used
8	OVERHEAD	ELEC		GEN 1 + 2 (Electric Generators)	PUSH	OFF should disappear
9	PEDESTAL	LIGHT		FLOOD LT (Cockpit Light)	AS RQRD	
10	PEDESTAL	LIGHT		INTEG LT (Cockpit Light)	AS RQRD	
11	PEDESTAL			PARKING BRAKE	CHECK IF SET TO ON	
12	PEDESTAL			FLAPS LEVER	CHECK POSITION = 0	
13	PEDESTAL			SPEED BREAK LEVER	CHECK RET. AND DISARMED	

2a. COCKPIT PREPARATION						
NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
14	OVERHEAD	ADIRS		ADIRS	NAV	All 3 knobs
15	OVERHEAD		LOWER OH	EXT. LIGHTS (p. e. Nav Lights)	ON	Co-Pilot Functionality based on 7
16	OVERHEAD		LOWER OH	SIGNS (Seat Belts / No Smoking)	ON (BOTH)	
17	OVERHEAD	AIR COND		AIR CON PACK FLOW	NORM	
18	PEDESTAL	AUDIO		AUDIO SWITCH	AS RQRD	Push VHF1 and MKR = white ring
19	PEDESTAL		RADIO	SWITCH	ON	Make settings
20	PEDESTAL		RADIO	SET FREQUENCIES	SET	If ATC is used
21	PEDESTAL		RADIO	ATC CLEARANCE	OBTAIN	If ATC is used

2b. COCKPIT PREPARATION – FMGS/MCDU DATA INSERTION						
NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
22	MCDU	INIT 1		FROM / TO	ENTER	
23	MCDU	INIT 1		ALIGN IRS	PUSH	
24	MCDU	INIT 1		FLT NBR (Flight Number)	ENTER	
25	MCDU	INIT 1		CRZ FL (Cruise Flight Level)	ENTER	
26	MCDU	INIT 2		ZFWCG/ZFW	ENTER	Double click for computed data
27	MCDU	INIT 2		BLOCK	ENTER	Double click for computed data
28	MCDU	F-PLAN		DEPARTURE FROM-AVAIL. RUNWAYS	SELECT	
29	MCDU	F-PLAN		SIDS AVAILABLE	SELECT	
30	MCDU	F-PLAN		TRANS AVAILABLE	SELECT	If available
31	MCDU	F-PLAN		INSERT	PUSH	
32	MCDU	F-PLAN		ROUTE	ENTER	
33	MCDU	F-PLAN		ARRIVAL AT – AVAIL. RUNWAYS	SELECT	
34	MCDU	F-PLAN		SIDS AVAILABLE	SELECT	
35	MCDU	F-PLAN		TRANS AVAILABLE	SELECT	If available
36	MCDU	F-PLAN		INSERT	PUSH	
37	MCDU	F-PLAN		F-PLAN DISCONTINUITIES	CLEAR	Speeds and altitudes are now calculated
38	MCDU	PERF-TO		FLAPS / THS	ENTER	
39	MCDU	PERF-TO		FLEX TO TEMP	ENTER	
40	MCDU	PERF-TO		THR RED / ACC	AS REQD	
41	MCDU	PERF-TO		V1, VR and V2	ENTER	Double click for computed data
42	MCDU	PERF-CLIMB		DATA	CHECK	
43	MCDU	PERF-CZR		DATA	CHECK	
44	MCDU	PERF-APPR		DATA	CHECK	
45	MCDU	PER-GO ARD		DATA	CHECK	

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2c. COCKPIT PREPARATION

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
46	GLARESHIELD	EFIS		BARO REF	SET	
47	GLARESHIELD	EFIS		FD (Flight Director)	CHECK ON	
48	GLARESHIELD	EFIS		ILS	OFF	
49	GLARESHIELD	EFIS		ND mode and range	SET	
50	GLARESHIELD	EFIS		VOR / ADF select	AS RQRD	
51	GLARESHIELD	FCU		First Altitude	SET	>than THR RED altitude
52	GLARESHIELD	FCU		DASH-BALL-DASH-BALL-ALT-BALL-DASH	CHECK	
53	PEDESTAL		ECAM	STATUS	CHECK	
54	PEDESTAL	THR LEVER		LEVERS	CHECK IDLE	
55	PEDESTAL	ENG		ENG MASTER 1 + 2	CHECK OFF	
56	PEDESTAL	ENG		ENG MODE SEL	CHECK NORM	
57	PEDESTAL		RADIO	ATC - FREQUENCY	SET	If ATC is used
58	PEDESTAL		RADIO	ATC CLEARANCE	OBTAIN	If ATC is used
59	MAIN	ND-DISPL.		IRS ALIGN	CHECK	

3. BEFORE PUSHBACK OR START

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
60	MCDU	F-PLAN		F-PLAN PAGE	SET	
61	OVERHEAD	ELEC		EXT PWR (External Power)	OFF	
62	OVERHEAD			DOORS	CLOSE (BOTH)	Left and right side of the aircraft
63	PEDESTAL	THR LEVER		LEVERS	CHECK IDLE	
64	PEDESTAL		RADIO	PUSHBACK / START CLEAR	OBTAIN	If ATC is used
65	PEDESTAL			PARKING BRAKE	OFF	Engine Starter Panel opens automatically
66	OVERHEAD		LOWER OH	BEACON ON	ON	Co-Pilot Functionality based on 65

4. ENGINE START – during pushback

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
67	PEDESTAL		ENGINE	ENG MODE SEL	IGN START	Panel opens automatically after 65
68	PEDESTAL		ENGINE	MASTER SW 2	ON	
69	MAIN	EWD		No. 2 RUNNING UP	CHECK	
70	PEDESTAL		ENGINE	MASTER SW 1	ON	
71	MAIN	EWD		No. 1 RUNNING UP	CHECK	
72	PEDESTAL			PARKING BRAKE	ON	

5. AFTER ENGINE START

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
73	PEDESTAL		ENGINE	ENG MODE SEL	NORM	
74	OVERHEAD	APU		APU BLEED	OFF	
75	PEDESTAL		ECAM	ECAM STATUS	CHECK	
76	PEDESTAL		ECAM	ECAM DOOR PAGE	CHECK	
77	OVERHEAD	ANTI-ICE		ENG ANTI ICE	AS RQRD	
78	OVERHEAD	ANTI-ICE		WING ANTI ICE	AS RQRD	
79	OVERHEAD		LOWER OH	APU MASTER SW	OFF	

6. TAXI

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
80	OVERHEAD		LOWER OH	NOSE LIGHT	TAXI	
81	PEDESTAL		RADIO	TAXI CLEARANCE	OBTAINED	If ATC is used
82	PEDESTAL			PARKING BRAKE	OFF	
83	MAIN	AUTO BRK		SET TO	MAX	
84	PEDESTAL	THR LEVER		LEVERS	AS RQRD	
85	PEDESTAL	SPEED-BR.		GRD SPOILERS	ARM	Co-Pilot Functionality based on 84
86	GLARESHIELD	FCU		FCU ALT / HDG	CHECK / SET	
87	GLARESHIELD	EFIS		FD	CHECK ON	

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88	PEDESTAL		RADIO	ATC CODE	CONFIRM / SET	If ATC is used
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7. BEFORE TAKEOFF

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
89	PEDESTAL		RADIO	TAKEOFF / LINE UP CLEAR	OBTAIN	If ATC is used
90				APPROACH PATH CLEAR OF TRAFFIC	CHECK	
91	PEDESTAL	TCAS		TCAS	TA or TA/RA	
92	PEDESTAL			FLAPS	SET	ECAM Panel opens automatically
93	MAIN	EWD		TO MEMO	CHECK NO BLUE	
94	PEDESTAL		ECAM	TO CONFIG	PRESS	Panel opens automatically after 92
95	PEDESTAL		RADIO	ATC (if no AUTO position)	ON	If ATC is used
96	OVERHEAD	AIR COND		PACKS 1 + 2	AS RQRD	
97	OVERHEAD		LOWER OH	EXT. LIGHTS (Strobes, Land. Lights)	SET	Co-Pilot Functionality based on 94

8. TAKEOFF

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
98	PEDESTAL	THR LEVER		SET LEVERS TO	FLEX / TOGA	
99	GLARESHIELD			CHRONO	START	
				At VR		
100				Sidestick	ROTATE	
				When V/S POSITIVE		
101	MAIN	GEAR		LANDING GEAR	"UP"	Co-Pilot Functionality
102	PEDESTAL	SPEED-BR.		GROUND SPOILERS	DISARM	Co-Pilot Functionality
103	OVERHEAD		LOWER OH	NOSE LIGHT	OFF	
104	GLARESHIELD	FCU		AUTOPILOT	AS RQRD	
				At thrust reduction altitude:		
105	OVERHEAD	AIR COND		ONE PACK	ON	
106	PEDESTAL	THR LEVER		SET LEVERS TO	CL	
				At F speed:		
107	PEDESTAL			FLAPS 1	SELECT	If applicable
				At S speed:		
108	PEDESTAL			FLAPS 0	SELECT	Co-Pilot Functionality
109	OVERHEAD	AIR COND		2 ND PACK	ON	

9. CLIMB

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
110	GLARESHIELD	FCU		VALUES / DATA	SET IF AP ON	
111	MCDU	Var.PAGES		VALUES / DATA	SET IF AP ON	
				At transition altitude:		
112	MAIN	EFIS		BARO REF	SET / X CHECK	
				At 10.000 feet:		
113	OVERHEAD		LOWER OH	LANDING LIGHTS	OFF	Co-Pilot Functionality
114	MAIN	EFIS		EFIS OPTION	ARPT	
115	PEDESTAL		RADIO	RADIO NAV	CHECK	
116	OVERHEAD		LOWER OH	SEAT BELTS	AS RQRD	
117	PEDESTAL		ECAM	ECAM MENU	REVIEW	
118	MCDU	PROG	TO	OPT / MAX ALTITUDE	CHECK	

10. CRUISE

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
119	PEDESTAL		ECAM	ECAM MEMO / SYS PAGES	REVIEW	
120	MCDU	Var.PAGES		FLIGHT PROGRESS	CHECK	
121	MCDU	FUEL PRED		FUEL	MONITOR	
122	MCDU	PROG		NAV ACCURANCY	CHECK	
123	OVERHEAD	AIR COND		CABIN TEMP	MONITOR	

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11. DESCENT PREPARATION

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
124	MCDU	Var.PAGES		FMGS	PREPARE	
125	MCDU	PERF APPR		GPWS LDG FLAP 3	AS RQRD	
126	PEDESTAL		RADIO	DESCENT CLEARANCE	OBTAIN	If ATC is used
127	OVERHEAD	ANTI-ICE		ANTI ICE	AS RQRD	

12. DESCENT

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
128	GLARESHIELD	FCU		DESCENT	INITIATE	
129	GLARESHIELD	PFD		FMA	CHECK	
130	MCDU	Var.PAGES		DESCENT DATA	INSERT	
131	GLARESHIELD	PFD		DESCENT	MONITOR	
132	PEDESTAL	SP BRAKES		SET	AS RQRD	
				When cleared to altitude:		
133	MAIN	EFIS		BARO REF	SET / X CHECK	
134	PEDESTAL		ECAM	ECAM STATUS	CHECK	
				At 10.000 feet:		
135	OVERHEAD		LOWER OH	LAND LIGHTS	ON	Co-Pilot Functionality
136	OVERHEAD		LOWER OH	SEATBELTS	AS RQRD	
137	GLARESHIELD	EFIS		SET OPTION	CSTR	
138	GLARESHIELD	EFIS		ILS pushbutton	AS RQRD	
139	PEDESTAL		RADIO	RADIO / NAV	SELECT / IDENT	
140	MCDU	PROG		NAV ACCURACY	CHECK	

13. ILS - APPROACH

NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
				Initial approach:		
141	OVERHEAD		LOWER OH	SEATBELTS	ON / AUTO	
142	PEDESTAL		ENGINE	ENG MODE sel	AS RQRD	
				Approx. 15 NM from touchdown:		
143	MCDU	PROG		NAV ACCURACY	MONITOR	
144	MCDU	PERF		APPR PHASE	ACTIVATE or set green dot	
145	MAIN	PFD		POSITIONING	MONITOR	
				When cleared for ILS approach:		
146	MAIN	FCU		APPR	PRESS	
147	MAIN	FCU		BOTH AP	ENGAGE	
				At green dot:		
148	PEDESTAL		FLAP LEVER	FLAPS 1	SELECT	Co-Pilot Functionality – Flap Panel opens
				AT S SPEED		
149	PEDESTAL	TCAS		TCAS	TA or TA / RA	
150	MAIN	PFD		FMA	CHECK	
151	MAIN	PFD		LOC CAPTURE	MONITOR	
152	MAIN	PFD		G/S CAPTURE	MONITOR	
153	GLARESHIELD	FCU		GO AROUND ALT	SET	
				At 2.000 feet AGL:		
154	PEDESTAL		FLAP LEVER	FLAPS 2	SELECT	
				AT F SPEED		
				When Flaps 2:		
155	MAIN	GEAR		L/G DOWN	SELECT	Co-Pilot Functionality – based on 152
156	PEDESTAL	SP. BRAKES		GROUND SPOILERS	ARM	Co-Pilot Functionality – based on 152
157	MAIN	GEAR		AUTO BRAKE	AS RQRD	
				When L/G down, below VFE		
158	PEDESTAL		FLAP LEVER	FLAPS 3	SELECT	
159	PEDESTAL		ECAM	ECAM WHEEL PAGE	CHECK	
				When FLAPS 3, below VFE:		
160	PEDESTAL		FLAP LEVER	FLAPS FULL	SELECT	
				AT VAPP		
161	MAIN	FCU		A/THR	CHECK SPD or OFF	
162	OVERHEAD	ANTI-ICE		WING A: ICE (if not required)	OFF	
163	OVERHEAD		LOWER OH	EXTERIOR LIGHTS	SET	
164	MAIN	EWD		LANDING MEMO	CHECK NO BLUE	

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14. LANDING						
NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
				At 20 feet:		
165				FLARE	PERFORM	
166	MAIN	PDF		ALTITUDE	MONITOR	
167	PEDESTAL	THR LEVER		THRUST LEVERS	IDLE	
168				At touchdown:		
169	GLARESHIELD	FCU		AP (if applicable)	OFF	Co-Pilot Functionality – based on 168
170	PEDESTAL	THR LEVER		REV	MAX	
171	MAIN	GEAR		BRAKES	AS RQRD	
172				At 70 knots:		
173	PEDESTAL	THR LEVER		REV	IDLE	Co-Pilot Functionality – based on 172
174				At taxi speed:		
175	PEDESTAL	THR LEVER		REV	STOW	
176				Before 20 knots:		
177	MAIN	GEAR		AUTOBRK	DISENGAGE	Co-Pilot Functionality – based on 176

15. GO AROUND						
NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
178	PEDESTAL	THR LEVER		THRUST LEVERS	TOGA	
179				ROTATION	PERFORM	
180	PEDESTAL		FLAP LEVER	FLAPS	RETRACT ONE STEP	
181	MAIN	GEAR		L/G	UP	
182	GLARE SHIELD	FCU		NAV OR HDG	SELECT	
183	PEDESTAL	THR LEVER		THRUST LEVERS	CL	
				At GA ACCEL Altitude:		
184	PEDESTAL		FLAP LEVER	FLAPS	RETRACT ON SCHEDULE	
185	MAIN	PFD		SPEED	MONITOR	

16. AFTER LANDING						
NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
186	OVERHEAD		LOWER OH	LANDING LIGHTS	RETRACT	Co-Pilot Functionality – based on 174
187	PEDESTAL	SP.BRAKES		GRND SPLRS	DISARM	Co-Pilot Functionality – based on 174
188	PEDESTAL		FLAP LEVER	FLAPS	RETRACT	Co-Pilot Functionality – based on 174
189	OVERHEAD		LOWER OH	EXT. LIGHTS (Strobes)	AS RQRD	Co-Pilot Functionality – based on 174
190	PEDESTAL		ENGINE	ENG MODE SEL	NORM	
191	PEDESTAL		RADIO	ATC (if no AUTO position)	STBY / OFF	
192	PEDESTAL	TCAS		TCAS MODE SEL	STBY	
193	OVERHEAD	ANTI-ICE		ANTI ICE	AS RQRD	Co-Pilot Functionality – based on 174
194	OVERHEAD		LOWER OH	APU	START	

17. PARKING						
NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
195	GLARESHIELD			CHRONO	STOPP	
196	PEDESTAL	P.BRAKE		PARKING BREAK	ON	
197	OVERHEAD	APU		APU BLEED	ON	
198	PEDESTAL		ENGINE	ENG MASTER 1 & 2	OFF	
199	OVERHEAD	FUEL		FUEL PUMPS	OFF	
200	PEDESTAL	RADIO		GROUND CONTACT	ESTABLISH	If ATC is used
201	OVERHEAD		LOWER OH	BEACON LIGHT	OFF	Co-Pilot Functionality – based on 199
202	OVERHEAD		LOWER OH	SEAT BELTS	OFF	
203	OVERHEAD			DOORS	OPEN (BOTH)	Left and right side of the aircraft

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18. SECURING AIRCRAFT						
NO.	PANEL			ACTION		REMARK
	TYP	PART	SUB-PANEL			
205	PEDESTAL	P.BRAKE		PARKING BREAK	CHECK ON	
206	OVERHEAD	ADIRS		ADIRS (1 + 2 + 3)	OFF	
207	OVERHEAD	LIGHTS		EXTERIOR LIGHTS	OFF	
208	OVERHEAD	APU		APU BLEED	OFF	
209	OVERHEAD	APU		APU MASTER SW	OFF	
210	OVERHEAD	LIGHTS		NO SMOKING	OFF	
211	OVERHEAD	ELEC		EXT PWR	AS RQRD	
212	OVERHEAD	ELEC		BAT 1 + 2	OFF	
213	OVERHEAD			DOORS	CLOSE (BOTH)	Left and right side of the aircraft