AFTER LANDING CHECK

1	Transponder	SBY	1
2	Time	noted	2
3	Landing Lights	off	3
4	Taxi lights	on / as required	4
5	Electrical fuel pump	off	5
6	Flaps	up	6
	AFTER LANDING CHECK COMPLETED		

ENGINE SHUT DOWN AND PARKING

1	Parking brake	locked	1
2	Throttle	1000 RPM	2
3	Flaps	down	3
4	Electrical consumers	all off	4
5	121,5 MHz	checked	5
6	Avionic master switch	off	6
7	Mixture	cut-off	7
8	Magneto switch	off	8
9	Ignition Key	off / Key removed	9
10	Alternator switch	off	10
11	Battery master	off	11
12	Flight data and documents	noted / completed	12
13	Parking brake	set as convenient	13
14	Fuel selector valve	closed	14
	PARKING CHECK COMPLETED		

SPEEDS

		VFE (max. Flaps speed 1st notc	**92 kt**
Vx	**70 kt**	**VFE** (max. Flaps speed 2nd not	**81 kt**
Vy	**92 kt**	**Vinitial approach**	**81 kt**
VA (Manoeuvring speed)	**116 kt**	**Vfinal** (Full Flaps)	**68 kt**
Vbest gliding angle	**81 kt**	**Crosswind component max.**	**22 kt**

Luftdruck

Bugrad	2.0 bar
Hauptfahrwerk	1.8 bar

The original approved airplane flight manual is the only valid applicable manual !

PREFLIGHT CHECK

1	AIRCRAFT PREPARATION	completed (according AFM)	1
2	Outside check	completed	2
3	Aircraft Papers	checked	3
4	Aircraft log	checked	4
5	Tow bar	secured	5
6	Cabine	checked	6
7	Loadsheet	checked	7
	PREFLIGHT CHECK COMPLETED		

CHECK BEFORE ENGINE START

1	Parking brake	locked	1
2	Front seats	adjusted and locked	2
3	Belts and harness	adjusted and fastened	3
4	Cuircuit breakers	all in	4
5	Avionic master switch	off	5
6	ELT	red light off	6
7	Battery Master	on	7
8	Fuel quantity	endurance?	8
9	Fuel selector valve	select fullest tank	9
	CHECK BEFORE ENGINE START COMPLETED		

STARTING ENGINE **(Normal procedure, other see FLIGHT MANUAL Page 4.06)**

1	Carburetor heat	off	1
2	Mixture	rich	2
3	Strobe light	on	3
4	Magneto switch	L	4
5	Canopy	closed and locked	5
6	Flaps	up	6
7	Electric pump	on	7
8	Fuel pressure	checked	8
9	Throttle	2 or 3 injections, then ca. 3mm forward	9
10	Propeller area	clear	10
11	Starter button	on(max. operation time 15 to 20 sec)	11
12	When engine fires magneto switch	L+R ("both")	12
13	Oil pressure (within 15 to 20 ")	green arc	13
	STARTING ENGINE COMPLETED		

CHECK AFTER THE ENGINE STARTS

1	RPM	1200	1
2	Electric pump	off	2
3	Alternator switch	on	3
4	Voltmeter	green range	4
5	Vacuum gauges	green range	5
6	Annunciator lights	test	6
7	Avionic master switch, Avionics	on	7
8	Flight instruments	check and set	8
9	Engine instruments	checked	9
10	Avionics Nav, Com	set and preselect	10
	CHECK AFTER ENGINE STARTS COMPLETED		

TAXI CHECK

1	Taxi light	on	1
2	Parking brake	unlock	2
3	Brakes	test	3
4	Turn and bank indicator	check	4
5	Directional gyro	check setting	5
	TAXI CHECK COMPLETED		

ENGINE RUN-UP

1	Parking brake	locked	1
2	Oil pressure and temperature	green range	2
3	Fuel pressure	green range	3
4	Mixture	rich	4
5	Zone behind aircraft	free	5
6	Canopy	closed and locked	6
7	Throttle	2000 RPM	7
8	Magnetos (L-B-R-L-B)	checked (max. -175 / =50 RPM)	8
9	Carburetor heat	check function (approx. -100 RPM)	9
10	Mixture	check function	10
11	Throttle idle	600 to 650 RPM	11
12	Throttle	set 1200 RPM	12
	ENGINE RUN-UP COMPLETED		

CHECK BEFORE DEPARTURE

1	Seat position	checked and locked	1
2	Electrical fuel pump	on	2
3	Fuel quantity	Endurance?	3
4	Fuel selector valve	select fullest tank	4
5	Mixture	rich / as required	5
6	Carburetor heat	off	6
7	Magnetos	both	7
8	Annunciator lights	checked	8
9	Elevator trim	neutral according to balance	9
10	Flaps	fully down, return to "take-off position"	10
11	Controls	free and correct	11
12	Engine instruments	check	12
13	Flight instruments and avionics	set for departure	13
14	Cabin and Pax	secured	14
15	Departure briefing	completed	15
	CHECK BEFORE DEPARTURE COMPLETED		

LINE UP CHECK

1	Canopy	closed and locked	1
2	Landing light	on	2
3	Time	noted	3
4	Transponder	SBY or ALT	4
5	Approach sector & runway	check, free	5
6	Take off minimal RPM	2200 RPM	6
	LINE UP CHECK COMPLETED		

CLIMB CHECK

1	Flaps	up (after obstacle clearance)	1
2	Climb power	set	2
3	Electrical fuel pump	off (check pressure, green range)	3
4	Landing light	as required	4
	CLIMB CHECK COMPLETED		

CRUISE CHECK

1	Altimeter	set (STD / QNH)	1
2	Gyro	Checked / set	2
3	Cruise power	set (according AFM)	3
4	Mixture	set	4
5	Fuel quantity	checked (Endurance?)	5
6	Lights	as required	6
	CRUISE CHECK COMPLETED		

DESCENT CHECK

1	ATIS	noted	1
2	Approach briefing	completed	2
3	Avionics	set and checked	3
4	Gyro	checked / set	4
5	Cabin and Pax	secured	5
	DESCENT CHECK COMPLETED		

APPROACH CHECK

1	Altimeter	set QNH	1
2	Landing light	on	2
3	Electric fuel pump	on	3
4	Fuel quantity	checked (Endurance?)	4
5	Fuel selector valve	select fullest tank	5
6	Mixture	rich/ as required	6
7	Carburetor heat	set	7
8	Flaps	below 92 kt, take-off position	8
9	Speed	81 kt	9
10	Elevator trim	set	10
11	Autopilot	off	11
	APPROACH CHECK COMPLETED		

LANDING CHECK

1	Flaps	below 81 kt, landing position	1
2	Mixture	rich / as required	2
3	Carburetor heat	off	3
	LANDING CHECK COMPLETED		