

**LANDING CHECK**

1 Gear	down, green light & indicated	1
2 Mixture	rich	2
3 Propeller	high RPM	3
4 Cowl flaps	open	4
5 Flaps	full set	5
LANDING CHECK COMPLETED		

**AFTER LANDING CHECK**

1 Transponder	SBY	1
2 Time	noted	2
3 Landing Lights	off	3
4 Taxi lights	on / as required	4
5 Electric fuel pump	off	5
6 Flaps	up	6
7 Strobe light	off	7
AFTER LANDING CHECK COMPLETED		

**ENGINE SHUT DOWN AND PARKING**

1 Parking brake	set	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
PARKING CHECK COMPLETED		

**SPEEDS**

<b>Vx</b>	<b>66 kt</b>	<b>Vge (max. speed gear down)</b>	<b>132 kt</b>
<b>Vy</b>	<b>86 kt</b>	<b>VFE (max. speed full flaps)</b>	<b>112 kt</b>
<b>VA (Manoeuvring speed)</b>	<b>118 kt</b>	<b>Vinital approach</b>	<b>90 kt</b>
<b>Vbest gliding angle</b>	<b>91 kt</b>	<b>Vfinal (Full Flaps)</b>	<b>70 kt 2300 lbs</b>
<b>Vgr (max. speed gear retract)</b>	<b>108 kt</b>	(see section V page 5-34 and 5-35)	<b>74 kt 2600 lbs</b> <b>78 kt 2900 lbs</b>
<b>Luftdruck</b>		<b>Crosswind component max.</b>	<b>11 kt</b>
Bugrad	3.4 bar		
Hauptfahrwerk	2.1 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 (according AFM)	2
3 Aircraft Papers	checked	3
4 Aircraft log	checked	4
5 Tow bar	secured	5
6 Cabine	checked	6
7 Loadsheets	checked	7

PREFLIGHT CHECK COMPLETED

**CHECK BEFORE ENGINE START**

1 Cabin door	closed	1
2 Seats, seat belts/shoulderharness	adjusted & secure	2
3 Parking brake	on	3
4 Directional Gyros	slaved	4
5 Electrical consumers, ELT	all off, armed	5
6 Circuit breakers	all in, checked	6
7 Gear handle	down	7
8 Radio Master	off	8
9 Battery master & alternator	on	9
10 Fuel quantity	Endurance ?	10
11 Fuel selector valve	fullest tank	11
12 Mixture	lean / cut off	12
13 Throttle	idle	13
14 Propeller	Max. RPM	14
15 Cowl flaps	open	15
16 Flaps	up	16

CHECK BEFORE ENGINE START COMPLETED

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

1 Throttle	set for engine start (1cm)	2
2 Mixture (cold engine only!)	full rich	3
3 Electric fuel pump (cold engine only!)	on (approx 2 sec.) and off	4
4 Mixture (hot engine - short open and close)	lean / cut off	5
5 Propeller area	clear	6
6 Ignition key	start	7
7 Mixture	slowly to full rich	8
8 Engine running	set 1100 RPM	9
9 Oil pressure (within 30")	green arc	10

STARTING ENGINE COMPLETED

**CHECK AFTER ENGINE START**

1	Alternator output	checked	1
2	Annunciator lights	checked	2
3	Ventilation, heater, defroster	set as required	3
4	Navigation lights	as required (daytime off)	4
5	Avionics master switch / Avionics	on	5
6	Elevator trim	on	6
7	Flight instruments	checked and set	7
8	Engine instruments	checked	8
9	Avionics Nav, Com	set and preselected	9
10	Autopilot	test (short push)	10
11	Slave system	test	11

**CHECK AFTER ENGINE START COMPLETED****TAXI CHECK**

1	Taxi light	on	1
2	Brakes and steering	checked	2
3	Gyro instruments	checked	3

**TAXI CHECK COMPLETED****ENGINE RUN-UP**

1	Parking brake	set	1
2	Oil temperature	checked	2
3	Zone behind aircraft	free	3
4	Throttle	set 2000 RPM	4
5	Annunciator panel	check ALT Volts & Hi/LO VAC lights off	5
6	Oil pressure, suction	green arc	6
7	Magnetos (L-B-R-L-B)	checked (max. -175 / =50 RPM)	7
8	Mixture	check function	8
9	Propeller	check function (2x)	9
10	Throttle idle	500 to 700 RPM	10
11	Throttle	set 1100 RPM	11

**ENGINE RUN-UP COMPLETED****CHECK BEFORE DEPARTURE**

1	Seat position	checked and locked	1
2	Fuel quantity	Endurance?	2
3	Fuel selector valve	select fullest tank	3
4	Mixture	full rich / as required	4
5	Propeller	max. RPM	5
6	Friction lock	set	6
7	Cowl flaps	open	7
8	Magnetos	both	8
9	Annunciator lights	checked	9
10	Elevator trim	set for departure	10
11	Flaps	set for departure	11
12	Controls	free and correct	12
13	Engine instruments	checked	13
14	Flight instruments and avionics	set for departure	14
15	Departure briefing	completed	15

**CHECK BEFORE DEPARTURE COMPLETED**

**LINE UP CHECK**

1 Cabin door	closed	1
2 Landing light	on (as required)	2
3 Anti collision lights	on	3
4 Electric fuel pump	on	4
5 Time	noted	5
6 Transponder	SBY or ALT	6
7 Approach sector & runway	check, free	7
LINE UP CHECK COMPLETED		

**CLIMB CHECK**

1 Brake / Gear	up	1
2 Flaps	up	2
3 Climb power	26' / 2600 RPM	3
4 Electric fuel pump	off (check pressure, green range)	4
5 Landing light	as required	5
6 Cowl flaps	open	6
CLIMB CHECK COMPLETED		

**CRUISE CHECK**

1 Altimeter	set (STD / QNH)	1
2 Gyro instruments	Checked / set	2
3 Cruise power	set (according AFM section V )	3
4 Cowl flaps	close (or as required)	4
5 Mixture	set (according AFM section IV page 4-10)	5
6 Fuel quantity	checked (Endurance?)	6
7 Fuel selector valve	set as required (L or R)	7
8 Lights	as required	8
CRUISE CHECK COMPLETED		

**DESCENT CHECK**

1 ATIS	noted	1
2 Cowl flaps	closed	2
3 when starting descent	mixture enrich (section IV page 4-11)	3
4 Approach briefing	completed	4
5 Avionics	set and checked	5
6 Gyro instruments	checked / set	6
7 Cabin and Pax	secured	7
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 proper tank	5
6 Mixture	rich/ as required	6
7 Gear	below 132 kt, down	7
8 Flaps	below 112 kt, take off position	8
9 Autopilot	off	9
APPROACH CHECK COMPLETED		