



PREFLIGHT CHECK

1 AIRCRAFT PREPARATION	completed (according AFM)
2 Outside check	completed (according AFM)
3 Aircraft Papers	checked
4 Aircraft log	checked
5 Tow bar	secured
6 Passenger Briefing	completed
7 Cabine	checked
8 Loadsheets	checked

PREFLIGHT CHECK COMPLETED

CHECK BEFORE ENGINE START

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

CHECK BEFORE ENGINE START COMPLETED

STARTING ENGINE

(Normal procedure, other see FLIGHT MANUAL Page 4.06)

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

STARTING ENGINE COMPLETED

CHECK AFTER THE ENGINE STARTS

1 Alternator output	checked
2 Annunciator lights	checked
3 Ventilation, heater, defroster	set as required
4 Navigation lights	as required
5 Avionics	master switch / Avionics on
6 Elevator trim	on
7 Flight instruments	check and set
8 Engine instruments	checked
9 Avionics Nav, Com	set and preselect
10 Transponder	Standby
11 Autopilot test	checked

CHECK AFTER ENGINE STARTS COMPLETED

TAXI CHECK

1 Landing/Taxi light on	
2 Brakes and steering	checked
3 Giro instruments	checked

TAXI CHECK COMPLETED

ENGINE RUN-UP

1 Parking brake	set
2 Oil temperature	checked
3 Zone behind aircraft	free
4 Throttle set	2000 RPM
5 Annunciator panel	check
6 Oil pressure, suction	green arc
7 Magnetos (L-B-R-L-B)	checked (max. -175 / =50RPM)
8 Mixture	check function incl. EGT
9 Propeller	check function (2x)
10 Throttle	idle 500 to 700 RPM
11 Throttle	set 1000 RPM

ENGINE RUN-UP COMPLETED

CHECK BEFORE DEPARTURE

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

CHECK BEFORE DEPARTURE COMPLETED

**LINE UP CHECK**

1 Cabin door	closed
2 Landing/Taxi light	on (as required)
3 Strobe light	on
4 Electrical fuel pump	on
5 Time	noted
6 Transponder	ALT
7 Approach sector & runway	check, free

LINE UP CHECK COMPLETED**CLIMB CHECK**

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

CLIMB CHECK COMPLETED**CRUISE CHECK**

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

CRUISE CHECK COMPLETED**DESCENT CHECK**

1 ATIS	noted
2 Cowl flaps	closed
3 when starting descent mixture	enrich (section IV page 4-11)
4 Approach briefing	completed
5 Avionics set and	checked
6 Gyro instruments	checked / set
7 Cabin and Pax	secured

DESCENT CHECK COMPLETED**APPROACH CHECK**

1 Altimeter	set QNH
2 Landing/Taxi light	on
3 Electric fuel pump	on
4 Fuel quantity	checked (Endurance?)
5 Fuel selector valve	set proper tank
6 Mixture	rich/ as required

APPROACH CHECK COMPLETED**DOWNWIND**

1 Gear down	below 132 kt
2 Flaps	below 112 kt, take off position
3 Autopilot	off

FINAL CHECK

1 Gear	down, green light & indicated
2 Propeller	high RPM
3 Flaps	full set
4 Landing/Taxi light	off (only gras runway)

FINAL CHECK COMPLETED**AFTER LANDING CHECK**

1 Transponder	SBY
2 Time	noted
3 Electrical fuel pump	off
4 Flaps	up
5 Strobe light	off
6 Cowl flaps	open

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

1 Parking brake	locked
2 Landing/Taxi light	off
3 Throttle	1000 RPM
4 121.5 MHz	checked
5 Electrical consumers	all off
6 Avionic	master switch / Avionics off
7 Mixture	cut-off
8 Magneto	switch off
9 Ignition Key	off / Key removed
10 Battery master / alternator	off
11 Flight datas and documents	noted / completed
12 Parking brake	set as convenient
13 Cowl flaps	open
14 Cabin Lights	all off

PARKING CHECK COMPLETED**SPEEDS**

Vx 66 kt Vge (max. speed gear down) 130 kt
 Vy 88 kt VFE (max. speed full flaps) 112 kt
 VA (Manoeuvring speed) 118 kt Vinitial approach 100 kt
 Vbest gliding angle 86 kt Vfinal (Full Flaps) 71 kt 2300 lbs
 Vgr (max. speed gear retract) 104 kt
 (see section IV page 5-34 and page 5-35)

Crosswind component max. 11 kt

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