

====> BY HEART ITEM !
AIRCRAFT PREPARATION

1	Preflightcheck acc. AFM, draining.....	completed.....	1
2	Aircraft equipment, A/C Log.....	on board.....	2
3	Flighttime counter.....	noted, checked.....	3
4	Flight controls.....	free and correct.....	4
5	Electric switches.....	off.....	5

AIRCRAFT PREPARATION COMPLETED
ENGINE START

1	Cabin.....	secured.....	1
2	Parking brake.....	as required.....	2
3	Battery masterswitch.....	on.....	3
4	Circuit breakers.....	checked.....	4
5	Fuel quantity, endurance.....	lh ... / rh ..., endurance ... hrs.....	5
6	Fuel selector.....	fullest tank.....	6
7	Mixture control.....	rich.....	7
8	Carburetor heat.....	off.....	8
9	Anticollisionlight.....	on.....	9
10	Priming	<ul style="list-style-type: none"> • warm engine: throttle max. 1 x..... 10 • cold engine: OAT < 0°Cel: 4 strokes primerpump, throttle 4 x..... 10 OAT > 0°Cel: throttle 4 x..... 10 	
11	Throttle.....	set max.1 cm.....	11
12	Propeller area.....	clear.....	12
13	LH magneto.....	on.....	13
14	Starter button.....	press.....	14
15	RH magneto.....	when engine runs: on.....	15
16	Throttle.....	1000 – 1200 RPM set.....	16
17	Oil pressure.....	min. mid yellow (in 30 sec).....	17
18	Radio.....	on, 121,500 checked.....	18
19	Transponder.....	GND 7000.....	19
20	ATIS / departure information.....	received.....	20
21	Avionics.....	preselected, set.....	21
22	Flight instruments.....	checked, set.....	22

ENGINE START COMPLETED
TAXI CHECK

1	Brakes, steering.....	checked.....	1
2	Compass, slip indicator.....	checked.....	2

TAXI CHECK COMPLETED

ENGINE RUN UP

1	Parking brake.....	as required.....	1
2	Engine instruments, oil temp.....	in limits, > 75°F.....	2
3	Area behind.....	clear.....	3
4	Throttle.....	1800 RPM.....	4
5	Magnetos.....	max. drop 175 RPM/max. diff. 50 RPM..	5
6	Carburetor heat.....	checked / no icing.....	6
7	Mixture control.....	EGT rise / small RPM drop leaning above 5000 ft dens. ALT for smooth engine-run (with full power).....	7
8	Alternator.....	charging.....	8
9	Engine instruments.....	green.....	9
10	Throttle.....	idle (500 – 700 RPM).....	10
11	Throttle.....	1000 – 1200 RPM set.....	11

ENGINE RUN UP COMPLETED**CHECK BEFORE DEPARTURE**

1	Flight controls.....	free and easy.....	1
2	Fuel quantity, endurance.....	lh ... / rh ..., endurance ... hrs.....	2
3	Fuel selector (if necessary only).....	fullest tank.....	3
4	Mixture control.....	set (leaned > 5000 ft dens. ALT).....	4
5	Carburetor heat.....	off.....	5
6	Magnetos.....	both on.....	6
7	Primer.....	locked.....	7
8	Flaps.....	set 25° (1) or 0° (up).....	8
9	Trim.....	set for T/O acc. load distribution.....	9
10	Engine instruments.....	in limits.....	10
11	Flight instruments.....	checked.....	11
12	Avionics.....	set.....	12
13	Departure briefing.....	completed.....	13
14	Door / window.....	closed.....	14
15	Seats.....	locked.....	15
16	Seatbelts / cabin + passenger.....	fastened / secured.....	16

READY FOR DEPARTURE

**LINE UP CHECK**

1	Approach & RWY.....	clear.....	1
2	Time.....	noted.....	2
3	Transponder.....	ALT 7000 or according ATC.....	3
4	RWY / RWY HDG + compass.....	identified / compared.....	4
5	Wind.....	checked.....	5
6	Time.....	check.....	6

LINE UP CHECK COMPLETED**CLIMB CHECK**

1	Climb power.....	set.....	1
2	Flaps.....	0° (up) set.....	2
3	Landing light.....	as required.....	3

CLIMB CHECK COMPLETED**CRUISE CHECK**

1	Altimeter.....	set (QNH = Alt / STD 1013 = FL).....	1
2	Engine instruments.....	in limits.....	2
3	Cruise power.....	75%: 2400 RPM = 9,5 USG / h.....	3
4	Mixture control.....	leaned (at all altitudes).....	4
5	Fuel quantity, endurance.....	lh ... / rh ..., endurance ... hrs.....	5
6	Lights.....	as required.....	6
7	Transponder.....	ALT 7000 or according ATC.....	7

CRUISE CHECK COMPLETED**DESCENT CHECK**

1	ATIS / landing information.....	received.....	1
2	Approach briefing.....	completed.....	2
3	Avionics.....	set / preselected.....	3
4	Altimeter.....	set (QNH).....	4
5	Mixture control.....	enrich (full rich below 5000ft).....	5
6	Seatbelts / cabin + passenger.....	fastened / secured.....	6

DESCENT CHECK COMPLETED**APPROACH CHECK**

1	Altimeter.....	set QNH.....	1
2	Landing light.....	on.....	2
3	Fuel quantity, endurance.....	lh ... / rh ..., endurance ... hrs.....	3
4	Fuel selector.....	fullest tank.....	4
5	Mixture control.....	rich.....	5
6	Carburetor heat.....	as required.....	6

APPROACH CHECK COMPLETED

FINAL CHECK

- | | | | |
|---|----------------------|------------------|---|
| 1 | Flaps..... | 50° (2) set..... | 1 |
| 2 | Carburetor heat..... | off..... | 2 |

FINAL CHECK COMPLETED**CHECK AFTER LANDING**

- | | | | |
|---|------------------|--------------|---|
| 1 | Transponder..... | STBY..... | 1 |
| 2 | Time..... | noted..... | 2 |
| 3 | Flaps..... | 0° (up)..... | 3 |

CHECK AFTER LANDING COMPLETED**STOPPING ENGINE / PARKING CHECK**

- | | | | |
|----|---------------------------|----------------------|----|
| 1 | Parking brake..... | as required..... | 1 |
| 2 | Throttle..... | 1000 RPM set..... | 2 |
| 3 | COM..... | 121,500 checked..... | 3 |
| 4 | Radio..... | off..... | 4 |
| 5 | Transponder..... | VFR, 7000, off..... | 5 |
| 6 | Electric switches..... | off..... | 6 |
| 7 | Mixture control..... | lean cutoff..... | 7 |
| 8 | Magnetos..... | both off..... | 8 |
| 9 | Battery masterswitch..... | off..... | 9 |
| 10 | Flight time counter..... | noted..... | 10 |
| 11 | Parking brake..... | as required..... | 11 |

STOPPING ENGINE / PARKING CHECK COMPLETED