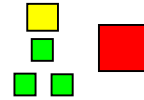




====> BY HEART ITEM !

**LANDINGGEAR-LIGHTS &
OVERRIDE LEVER**

Explanations: see at end of normal checklist

**AIRCRAFT PREPARATION**

1	Preflightcheck acc. AFM, draining.....	completed.....	1
2	Landing gear selector.....	down.....	2
3	Emergency gear lever.....	normal, mid position.....	3
4	Aircraft equipment, A/C Log.....	on board.....	4
5	Flighttime counter.....	noted, checked.....	5
6	Flight controls.....	free and correct.....	6
7	Electric switches / autopilot / fan.....	off.....	7
8	Emergency power unit EPU.....	emergency (on), amber light on, green range.....	8
9	COM / NAV2 on EPU.....	MIC COM 2, checked, MIC COM 1.....	9
10	Emergency power unit EPU.....	normal (off).....	10
11	Ignition key.....	into starter, off.....	11

AIRCRAFT PREPARATION COMPLETED**ENGINE START**

1	Cabin.....	secured.....	1
2	Parking brake.....	set.....	2
3	Battery master + alternator switches... on.....	3
4	Landing Gear lights.....	3 green on, no red, no amber lights.....	4
5	Annunciator lights.....	checked, 3 lights on.....	5
6	Circuit breakers.....	checked.....	6
7	Fuel quantity, endurance.....	lh ... / rh ..., endurance ... hrs.....	7
8	Fuel selector.....	fullest tank.....	8
9	Propeller.....	high RPM.....	9
10	Alternate air.....	closed.....	10
11	Anticollisionlights.....	on.....	11

COLD ENGINE (hot/warm / flooded engine: see next page):

12	Electrical fuel pump.....	on, pressure checked.....	12
13	Throttle.....	set 3 cm.....	13
14	Mixture control.....	3 sec rich (fuelflow), then lean cutoff.....	14
15	Throttle.....	set 13 mm.....	15
16	Propeller area.....	clear.....	16
17	Starter.....	engage.....	17
18	When engine fires.....	mixture control rich, release starter.....	18
19	Throttle.....	1200 RPM.....	19
20	Oilpressure.....	min. mid yellow (within 30 sec).....	20

→ →(continue procedure on next page at point 21)

ENGINE START (continued)

HOT / WARM ENGINE:

12	Electrical fuel pump.....	on , pressure checked.....	12
13	Throttle.....	set 13 mm.....	13
14	Mixture control.....	lean cutoff.....	14
15	Propeller area.....	clear.....	15
16	Starter.....	engage.....	16
17	When engine fires.....	mixture control rich, release starter.....	17
18	Throttle.....	1200 RPM.....	18
19	Oilpressure.....	min. mid yellow (within 30 sec).....	19

→ →(continue procedure below at point 21)

FLOODED ENGINE („versoffen“):

12	Electrical fuel pump.....	check off	12
13	Throttle.....	full open.....	13
14	Mixture control.....	lean cutoff.....	14
15	Propeller area.....	clear.....	15
16	Starter.....	engage.....	16
17	When engine fires.....	mixture control rich and release starter and throttle 1200 RPM.....	17
18	Oilpressure.....	min. mid yellow (within 30 sec).....	18

→ →(continue procedure below at point 21)

→ → (continued procedure):

21	Electrical fuel pump.....	(check) off, pressure checked.....	21
22	Annunciator lights.....	all off.....	22
23	Radios / avionics	on (5 x), COM 2: 121,500 checked.....	23
24	Transponder.....	GND.....	24
25	ATIS / departure information.....	received.....	25
26	Avionics.....	preselected, set.....	26
27	Flight instruments.....	checked, set.....	27

ENGINE START COMPLETED

TAXI CHECK

1	Brakes, steering.....	checked.....	1
2	Gyro instruments, slip indicator.....	checked.....	2

TAXI CHECK COMPLETED

**ENGINE RUN UP**

1	Parking brake.....	set.....	1
2	Engine instruments, oil temp.....	in limits, >75°F.....	2
3	Area behind.....	clear.....	3
4	Throttle.....	2000 RPM.....	4
5	Magnetos.....	max. drop 175 RPM / max. diff. 50 RPM.....	5
6	Propeller.....	retard 2 x 1500 RPM.....	6
7	Mixture control.....	EGT rise / fuel flow decr / small RPM drop leaning above 5000 ft dens. ALT for smooth engine-run (with full power).....	7
8	Alternate air.....	checked.....	8
9	Gyro suction.....	green.....	9
10	Alternator.....	charging.....	10
11	Engine instruments, announc. lights.....	green, all off.....	11
12	Throttle.....	idle (500 – 700 RPM).....	12
13	Throttle.....	1000 – 1200 RPM set.....	13

ENGINE RUN UP COMPLETED**CHECK BEFORE DEPARTURE**

1	Flight controls.....	free and easy.....	1
2	Electrical fuel pump.....	on, pressure checked.....	2
3	Fuel quantity, endurance.....	lh ... / rh ..., endurance ... hrs.....	3
4	Fuel selector (if necessary only).....	fullest tank.....	4
5	Propeller.....	high RPM.....	5
6	Mixture control.....	set (leaned > 5000 ft dens. ALT).....	6
7	Alternate air.....	closed.....	7
8	Magnetos	both.....	8
9	Flaps.....	set 25° (2) or 0° (up).....	9
10	Trim.....	set for T/O acc. load distribution.....	10
11	Emergency gear lever.....	override, locked, amber light flashing.....	11
12	Engine instruments, annunciatorlights.....	in limits, all off.....	12
13	Flight instruments.....	checked.....	13
14	Slaving system.....	checked.....	14
15	Avionics / autopilot.....	set / off.....	15
16	Departure briefing.....	completed.....	16
17	Door / stormwindow.....	closed + latched.....	17
18	Seats.....	locked.....	18
19	Seatbelts / cabin + passengers.....	fastened / secured.....	19

READY FOR DEPARTURE**LINE UP CHECK**

1	Approach & RWY.....	clear.....	1
2	Strobelights.....	on.....	2
3	Time.....	noted.....	3
4	Transponder.....	ALT 7000 or according ATC.....	4
5	RWY / RWY HDG + directional gyro... identified / compared.....		5
6	Wind.....	checked.....	6
7	Time.....	check.....	7

LINE UP CHECK COMPLETED

CLIMB CHECK

- | | | |
|---|--|---|
| 1 | Climb power (latest after 5 minutes!)... Full throttle / 2500 RPM set..... | 1 |
| 2 | Flaps..... 0° (up) set..... | 2 |
| 3 | Gear..... up, 3 green lights off, red light off..... | 3 |
| 4 | Electrical fuel pump..... off, pressure checked..... | 4 |
| 5 | Landing light..... as required..... | 5 |

CLIMB CHECK COMPLETED**CRUISE CHECK**

- | | | |
|---|---|---|
| 1 | Altimeters..... set (QNH = Alt / STD 1013 = FL)..... | 1 |
| 2 | Engine instruments, announc. lights.... in limits, all off..... | 2 |
| 3 | Cruise power..... set according tables..... | 3 |
| 4 | Mixture control..... leaned (at all altitudes)..... | 4 |
| 5 | Fuel quantity, endurance..... lh ... / rh ..., endurance ... hrs..... | 5 |
| 6 | Emergency gear lever..... as required..... | 6 |
| 7 | Lights..... as required..... | 7 |
| 8 | Transponder..... ALT 7000 or according ATC..... | 8 |

CRUISE CHECK COMPLETED**POWER SETTINGS (leaning: PEAK EGT – 50°F towards rich)**

	55 %		65 %		75%
	2300 RPM 18,6" MP 9,0 USG/h	2500 RPM 17,0" MP 9,2 USG/h	2300 RPM 22,0" MP 10,4 USG/h	2500 RPM 20" MP 10,4 USG/h	2500 RPM 23" MP 12 USG/h
2000 ft	-----	-----	114 kt TAS	120 kt TAS	131 kt TAS
4000 ft	-----	-----	120 kt TAS	122 kt TAS	129 kt TAS
6000 ft	-----	-----	124 kt TAS	123 kt TAS	134 kt TAS
8000 ft	112 kt TAS	-----	125 kt TAS	125 kt TAS	-----
10000 ft	116 kt TAS	117 kt TAS	-----	131 kt TAS	-----

DESCENT CHECK

- | | | |
|---|---|---|
| 1 | ATIS / landing information..... received..... | 1 |
| 2 | Approach briefing..... completed..... | 2 |
| 3 | Avionics..... set / preselected..... | 3 |
| 4 | Altimeters..... set (QNH)..... | 4 |
| 5 | Mixture control..... enrich (full rich below 5000 ft)..... | 5 |
| 6 | Seatbelts / cabin + passengers..... fastened / secured..... | 6 |
| 7 | Auto pilot..... off..... | 7 |
| 8 | Emergency gear lever..... as required..... | 8 |

DESCENT CHECK COMPLETED



APPROACH CHECK

- 1 Altimeters..... set QNH..... 1
- 2 Landing light..... on..... 2
- 3 Electrical fuel pump..... on, pressure checked..... 3
- 4 Fuel quantity, endurance..... lh ... / rh ..., endurance ... hrs..... 4
- 5 Fuel selector..... fullest tank..... 5
- 6 Mixture control..... rich..... 6

APPROACH CHECK COMPLETED

FINAL CHECK

- 1 Gear..... down, 3 green lights on, red light off..... 1
- 2 Flaps..... 40° (3) set..... 2
- 3 Propeller (if MP < 15")..... high RPM..... 3

FINAL CHECK COMPLETED

CHECK AFTER LANDING

- 1 Transponder..... GND..... 1
- 2 Time..... noted..... 2
- 3 Strobe lights..... as required..... 3
- 4 Electrical fuel pump..... off, pressure checked..... 4
- 5 Flaps..... 0° (up)..... 5

CHECK AFTER LANDING COMPLETED

STOPPING ENGINE / PARKING CHECK

- 1 Parking brake..... set..... 1
- 2 Throttle..... 1000 RPM set..... 2
- 3 Emergency gear lever..... normal, mid position, amber light off..... 3
- 4 COM 2..... 121,500 checked..... 4
- 5 Radios / avionics Transponder VFR, 7000, off (5 x)..... 5
- 6 Electric switches / internal lights..... off..... 6
- 7 Mixture control..... lean cutoff..... 7
- 8 Magnetos, Ignition key..... off, key removed..... 8
- 9 Alternator + battery master switches... off..... 9
- 10 Flight time counter..... noted..... 10
- 11 Parking brake..... as required..... 11

STOPPING ENGINE / PARKING CHECK COMPLETED