

NORMAL CHECKLIST



This checklist is compiled according the guidelines of GAMA Specification No.1, SECTION 3, para 3.5, SECTION 3A, para 3A.5 and SECTION 4, para 4.5.

The "Amplified Normal Procedures", „Amplified Emergency Procedures“ and „Amplified Abnormal Procedures“ according GAMA Specification No. 1 are in the DA40 Airplane Flight Manual Chapters 4A, 3 and 4B.

This checklist is a Recommended Operator Checklist and for reference only.

It is not a substitute for and does not supersede the current approved Airplane Flight Manual or any of its supplements or parts thereof, or any training or procedures required by any regulatory or advisory bodies.

This checklist may not contain all procedures shown in the Airplane Flight Manual. For a comprehensive listing of all procedures consult the Airplane Flight Manual.

Use of the checklist is at the user's sole risk and discretion.

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Use of the electronic checklist (if available):

Before using the electronic checklist on the G1000 the following sections have to be completed using this paper checklist:

- Preflight interior + exterior
- Preflight exterior
- Check before engine start items 1 to 20 (may be completed by heart).

This checklist also serves as a back up for the electronic checklist in case the G1000 MFD is not available.

**PREFLIGHT INTERIOR
+ EXTERIOR.**

- 1 Check Aircraft papers
- 2 Remove pitot cover
- 3 Check interior for foreign objects
- 4 Check flight controls free
- 5 Check circuit breakers
- 6 Emergency Fuel Valve NORMAL
- 7 Engine Master OFF
- 8 ECU SWAP AUTO
- 9 Essential bus OFF
- 10 Avionic Master + electrics OFF
- 11 Electric Master ON
- 12 Check battery voltage
- 13 Check fuel quantity + temp
- 14 External lights ON
- 15 Pitot heat ON
- 16 Parking brake SET
- 17 Check stall warning
- 18 Check pitot heat
- 19 Check external lights
- 20 Pitot heat / ext. lights OFF
- 21 Electric Master OFF,
key removed

PREFLIGHT EXTERIOR**Left main gear**

Wheel fairing
Tire condition, pressure (2,5 bar),
position mark
Brake, hydraulic line

Left wing

Wing leading edge, top- and bottom
surface, stall strips
Drain fuel sump
Stall warning
Fuel vent
Fuel filler cap
Pitot, static probe (cover removed)
Landing/Taxi light
Wing tip, position light
Static dischargers
Aileron (freedom of movement,
hinges, control linkage,
security)
Wing flap

Left fuselage

Canopy left side
Rear door
Fuselage left side
Antennas

Tail

Elevator & rudder (freedom of
movement, hinges)
Trim - tab
Tail skid + lower fin
Static dischargers

Right fuselage

Fuselage right side
Rear window
Canopy right side

Right wing

Wing flap
Aileron (freedom of movement,
hinges, control linkage,
security)
Static dischargers
Wing tip, position light
Wing leading edge, top- and bottom
surface, stall strips
Fuel filler cap
Fuel vent
Drain fuel sump

Right main gear

Wheel fairing
Tire condition, pressure (2,5 bar),
position mark
Brake, hydraulic line

Nose section

OAT sensor
Propeller surface
Spinner
Cowling, Air inlets (5)

Nose gear

Wheel fairing
Tire condition, pressure (2,0 bar),
position mark

Engine bay

Engine oil level (4,5 – 6,0 l)
Gearbox oil level
Drain fuel strainer

Chocks removed
Towbar removed

CHECK BEFORE ENGINE START

1	Preflight check	COMPLETED	1
2	Baggage and tow bar	SECURED	2
3	Emergency fuel valve	NORMAL	3
4	Power lever.....	IDLE	4
5	Parking brake.....	SET	5
6	Alternate Air	CLOSED	6
7	Electric master	OFF	7
8	Avionic master	OFF	8
9	Essential bus.....	OFF	9
10	Alternate static.....	CLOSED	10
11	Engine master.....	OFF	11
12	ECU swap	AUTO	12
13	All light switches.....	OFF	13
14	Emergency switch.....	OFF / GUARDED	14
15	ELT	ARMED	15
16	Circuit breakers.....	CHECKED IN	16
17	Flap selector	UP	17
18	Pitot heat	OFF	18
19	Fuel transfer	OFF	19
20	Electric Master.....	ON (check avionic fan noise)	20
21	Rudder pedals	ADJUSTED	21
22	Passengers	INSTRUCTED	22
23	Seat belts	FASTENED	23
24	Rear door	CLOSED and LATCHED	24
25	Front canopy.....	POS 1 or 2	25
26	G1000.....	POWERED, ACKNOWLEDGED	26
27	MFD.....	EIS – FUEL	27
28	Fuel Quantity	CHECKED, RESET/SET if requ.	28
29	Fuel temperature	CHECKED	29
30	Total time in service.....	NOTED	30
31	MFD.....	EIS – SYSTEM	31
32	Power lever.....	IDLE	32
33	ACL (strobe)	ON	33

End of Checklist

ENGINE START PROCEDURE

Propeller area CLEAR
 Engine Master ON
 Annunciations / Eng. Instr. CHECKED
 Glow indication OFF
 Start key START
 Oil pressure OUTSIDE RED within 3 sec
 Voltage, Electrical load CHECK INDICATION
 Annunciations / Eng. Instr. CHECK

CHECK AFTER ENGINE START

1	Oil pressure	CHECKED	1
2	RPM 890 +/- 20.....	CHECKED	2
3	Warm up time	START	3

Warm up:

Idle 2 minutes
 1400RPM until Oil > 50°C and Coolant > 60°C

4	Pitot heat ...ON, annunciation + Amps checked		4
5	Pitot heat	OFF	5
6	Avionics master	ON	6

FMS SETUP

I nitialize profile (AUX 4, MAP, MFD FPL, PFD FPL)
F light plan
R adios (COM, NAV, ADF, DME, CDI, BRG 1/2)
P erformance (speed bugs)

7	FMS setup	COMPLETED	7
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AUTOPILOT TEST

DISCONN press, check electric trim not working
AP ON, check overpowering servos
DISCONN press, check AP off

8	Autopilot test	COMPLETED	8
9	Flood light	CHECKED, ON as required	9
10	Position lights.....	ON as required	10
11	Flaps.....	full travel CHECKED, then T/O	11
12	Altimeters (3)	SET	12
13	Standby horizon	CHECKED	13
14	Transponder	CODE/MODE CHECKED	14
15	Parking brake.....	RELEASED	15

End of Checklist; see next page for "During taxi" – items

DURING TAXI

*Check brakes
Check flight instruments*

BEFORE TAKE OFF CHECK

1	Parking brake.....	SET	1
2	Seat belts	FASTENED	2
3	Rear door	CLOSED + LATCHED	3
4	Front canopy.....	CLOSED + LATCHED	4
5	Door warning light	OFF	5
6	Engine instruments	CHECKED	6
7	Fuel Temperature (Diesel min +5°) ...	CHECKED	7
8	Circuit breakers	CHECKED	8
9	Electric elevator trim	CHECKED, T/O SET	9
10	Flaps.....	CHECKED T/O	10
11	Flight controls	CHECKED	11
12	Power lever.....	IDLE	12
13	ECU test	PERFORM	13

ECU TEST

*ECU test button..... press and hold
ECU backup unsafe light..... flashing
ECU A, B, Caution lights* flashing
*ECU B, Caution lights..... flashing / prop cycling
ECU A, Caution lights..... flashing / prop cycling
All ECU caution lights..... extinguished
ECU backup unsafe light..... extinguished
ECU test button..... release*

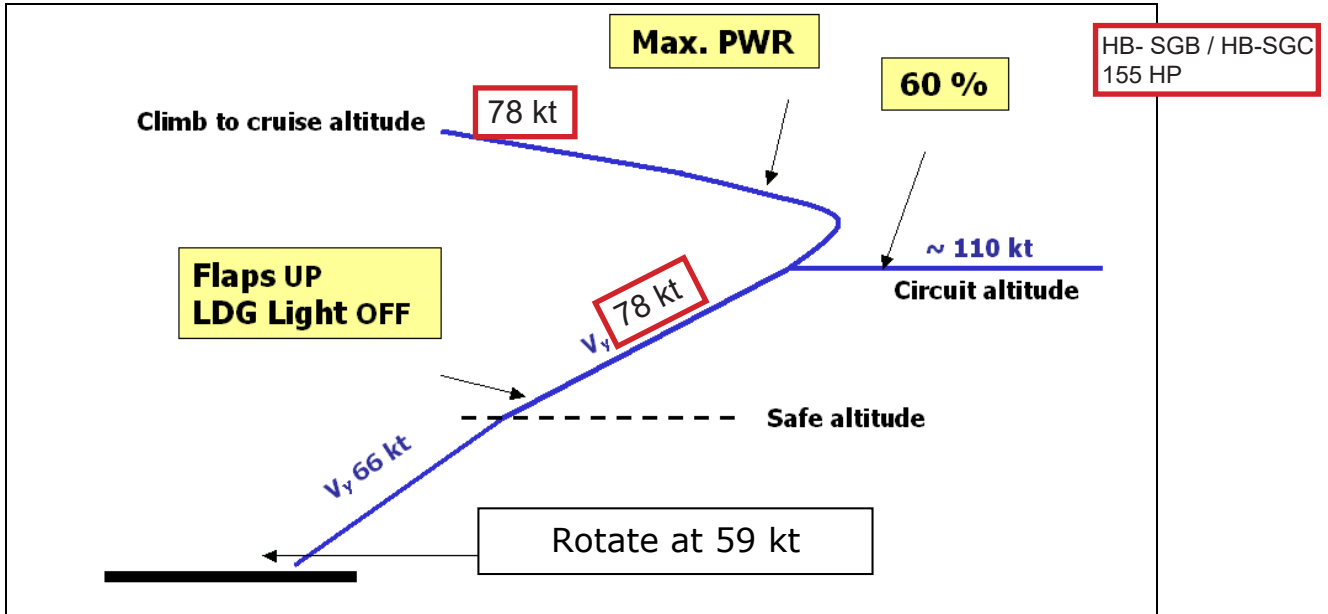
14	ECU swap	ECU B, ENGINE CHECKED	14
15	ECU swap	AUTO	15
16	Pitot heat	AS REQUIRED	16
17	Transponder	CODE/MODE CHECKED	17
18	Parking brake.....	RELEASED	18

End of Checklist

For procedural items and take-off profile see next page

LINE UP PROCEDURE

Landing light..... ON
 Approach sector CLEAR
 Runway..... IDENTIFIED
 Power lever max (100% / 10 sec)
 CHECK LOAD / RPM / FUEL FLOW /OP



AFTER TAKE-OFF PROCEDURE

After passing safe altitude:
 FlapsUP
 Landing light..... OFF

CLIMB TO CRUISE CHECK

1	Flaps.....	CHECKED UP	1
2	Landing light	CHECKED OFF	2

End of Checklist

PERIODICALLY DURING CRUISE

Fuel Radio Engine Direction Altitude

Fuel transfer.....repeat as required

Maximum fuel unbalance - Long range tank: 9 USG

DESCENT / APPROACH CHECK

1	Landing data	RECEIVED	1
2	Altimeters (3)	SET	2
3	COM / NAV / FMS	SET	3
4	Seatbelts	FASTENED	4
5	Fuel transfer	AS REQUIRED	5

End of Checklist

BEFORE LANDING PROCEDURE

Downwind, latest base leg:

Flaps T/O

Landing light..... ON

On final:

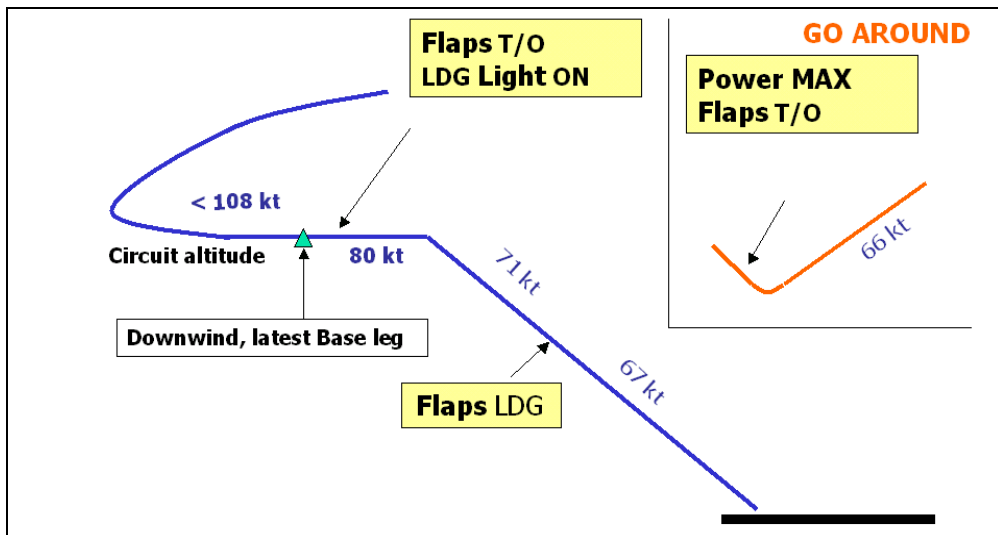
Flaps LDG

GO AROUND PROCEDURE

Power MAX

Flaps T/O

Continue with take-off profile



AFTER LANDING CHECK

1	Flaps.....	UP	1
2	Pitot heat	OFF	2
3	Alternate air.....	CLOSED	3
4	Landing/Taxi light	AS REQUIRED	4

End of Checklist

PARKING CHECK

1	Parking brake.....	SET	1
2	Power lever.....	IDLE for 2 min.	2
3	ELT	CHECK not activated	3
4	Engine / System page	CHECKED	4
5	Engine / Fuel page	TTL TIME IN SVC NOTED	5
6	Avionic master	OFF	6
7	Electrical consumers except ACL (strobe) ...	OFF	7
8	Engine Master	OFF	8
9	ACL (strobe)	OFF	9
10	Electric Master.....	OFF	10
11	Interior light	CHECKED OFF	11
12	Start key	REMOVED	12

End of Checklist

OPERATING SPEEDS KIAS			
	850 kg	1000 kg	1150 kg
Best gliding angle (Flaps UP)	60	68	73
Landing speed Flaps UP	60	68	73
Landing speed Flaps LDG	58	63	71
Stalling speed (V _{SO}) LDG	42	<- 980kg ->	49
Stalling speed (V _S) T/O	44	<- 980kg ->	51
Stalling speed (V _S) clean	47	<- 980kg ->	52
Manoeuvring speed (V _A)	94	<- 980kg ->	108
	980 kg	1000 kg	1150 kg
Airspeed for take-off climb (V _X)	59	60	66
Airspeed for cruise climb (V _Y)	78	78	78
Rotating Speed (V _R)	54	55	59
Max. flap Speed (V _{FE}) T/O	108		
Max. flap Speed (V _{FE}) LDG	91		
Max. cruising speed (V _{NO})	129		
Never exceed speed (V _{NE})	178		
max. turbulence speed	129		

HB- SGB / HB-SGC
155 HP

Weights		Empty weight	850 kg
Max. TKOF weight	1150 kg	Max. baggage weight	30 kg

EMERGENCY + ABNORMAL CHECKLIST

For conditions to use this
Emergency + Abnormal Checklist
see page 1 of the Normal Checklist.

All such conditions are fully
applicable also for this checklist.



G1000 WARNINGS

ENG TEMP	Pg. 2	Coolant temperature high (red range)
OIL TEMP	Pg. 2	Oil temperature high (red range)
OIL PRES	Pg. 2	Oil pressure low (red range)
GBOX TEMP	Pg. 3	Gearbox temperature high (red range)
L/R FUEL TEMP	Pg. 3	Fuel temperature high (red range)
ALTN AMPS	Pg. 3	High Current (red range)
ALTN FAIL	Pg. 3	Alternator fail
STARTER	Pg. 3	Starter not disengaging
DOOR OPEN	Pg. 3	Unlocked doors

For other parameters "out of green range" see Abnormal Checklist

Abnormal Checklist starts at page 9

Emergency landing page 4

Engine

Rough engine and/or power loss page 4

Windmill engine start page 5

Powered engine start..... page 5

Fluctuating RPM..... page 6

RPM overspeed page 6

RPM underspeed page 6

Electric System

Under/over voltage page 5

Total electrical fail page 8

Smoke and Fire

Fire / smoke on ground page 7

Fire / smoke in continued TKOF..... page 7

Electric fire / smoke in flight page 7

Engine fire in flight page 8

Other Emergencies

Fuel transfer pump u/s page 4

Suspicion of carbon monoxide page 8

ENG TEMP**COOLANT TEMPERATURE HIGH**

- Check COOL LVL caution light
 - ❖ If "COOL LVL" OUT:
 - ❖ During climb:
 - ⇒ Reduce power 10%
 - ⇒ Increase airspeed 10 KIAS
 - ⇒ If not returning to green range within 60 seconds: reduce power as far as possible and increase airspeed
 - ❖ During cruise:
 - ⇒ Reduce power
 - ⇒ Increase airspeed
 - ⇒ Check coolant temperature in green range
 - ⇒ If not returning to green range: land ASAP
 - ❖ If "COOL LVL" ON:
 - ⇒ Reduce power
 - ⇒ Expect loss of coolant fluid
 - ⇒ Be prepared for emergency landing

OIL TEMP**OIL TEMPERATURE HIGH**

- Check oil pressure
 - ❖ If too low:
 - ⇒ Reduce power
 - ⇒ Be prepared for loss of oil and engine fail; be prepared for emergency landing
 - ❖ If in green range:
 - ⇒ Reduce power
 - ⇒ Increase airspeed

OIL PRES**OIL PRESSURE LOW**

- Reduce power
- Be prepared for loss of oil and engine fail; be prepared for emergency landing

GBOX TEMP**GEARBOX TEMPERATURE HIGH**

- Reduce power
- Increase airspeed

L/R FUEL TEMP**FUEL TEMPERATURE HIGH**

- Reduce power
- Increase airspeed

ALTN AMPS**HIGH CURRENT****Consumption of electrical power is too high**

- Switch off electrical equipment to reduce electrical load
 - If problem not cleared:
 - ⇒ Land ASAP

ALTN FAIL**ALTERNATOR FAIL****Batteries will last for about 30 minutes**

- Check circuit breakers
 - If all CBs OK:
 - ⇒ ESSENTIAL BUS: ON
- Switch off unnecessary electrical equipment
- Land ASAP
- Be prepared for engine fail and emergency landing

STARTER**STARTER NOT DISENGAGING**

- Power lever IDLE
- Engine master OFF
- Electric master OFF

DOOR OPEN**UNLOCKED DOORS**

- Reduce airspeed
- Check canopy and rear door visually
 - If canopy and/or rear door unlocked:
 - ⇒ Airspeed below 140 KIAS
 - ⇒ Land ASAP

Do not try to lock the rear door in flight

EMERGENCY LANDING

1	Airspeed.....	73/68/60 kts	1
2	ATC	INFORM	2
3	Emergency fuel valve.....	OFF	3
4	Engine Master	OFF	4
	On final:		
5	Flaps	LDG	5
6	Safety harnesses.....	TIGHT	6
7	Electric master switch	OFF	7

FUEL TRANSFER PUMP U/S

1	Emergency fuel valve.....	EMERG. TRANSFER	1
2	AUX fuel quantity	CHECK min 1 USG	2
3	MAIN fuel quantity.....	CHECK max 15 USG	3
4	Emergency fuel valve.....	Reset to NORMAL	4

ROUGH ENGINE AND/OR POWER LOSS

1	Airspeed.....	73/68/60 KIAS	1
2	Power lever	MAX	2
3	G1000 annunciations	CHECK	3
	If ON: go to appropriate checklist		
4	Alternate air	in icing conditions: OPEN	4
5	Main tank fuel quantity	CHECK	5
6	Fuel transfer pump	ON	6
7	Emergency fuel valve.....	CHECK NORMAL	7
8	ECU swap.....	ECU B	8
	• In case of power loss: ECU reset:		
9	Engine master.....	OFF – ON	9
	If no success:		
10	ECU swap.....	AUTO	10
	If no success and insufficient power: Land ASAP		

HB- SGB / HB-SGC
155 HP

WINDMILL ENGINE START

- 1 Airspeed..... **70** max 110 KIAS 1
- 2 Pressure Altitudemax **14000** ft 2
- 3 Power lever IDLE 3
- 4 Emergency fuel valve..... CHECK NORMAL 4
- 5 Alternate air OPEN 5
- 6 Fuel transfer pump ON 6
- 7 Avionic master OFF 7
- 8 Electric master ON 8
- 9 Engine master..... OFF, then ON 9
- 10 Avionic master ON 10

POWERED ENGINE START

- 1 Gliding airspeed 73/68/60 KIAS 1
- 2 Pressure Altitudemax **14000** ft 2
- 3 Engine master..... OFF 3
- 4 Power lever IDLE 4
- 5 Emergency fuel valve..... CHECK NORMAL 5
- 6 Alternate air OPEN 6
- 7 Fuel transfer pump ON 7
- 8 Avionic master OFF 8
- 9 Electric master ON 9
- 10 Engine master..... ON 10
- 11 Glow indication CHECK ON, wait for OFF 11
- 12 Electric master START 12
- 13 Avionic master ON 13

UNDER / OVER VOLTAGE

- 1 Essential bus ON 1
- Land ASAP

FLUCTUATING RPM

- | | | | |
|---|-------------------|----------------|---|
| 1 | Power lever | CHANGE SETTING | 1 |
| | If no success: | | |
| 2 | ECU swap..... | ECU B | 2 |
| | If no success: | | |
| 3 | ECU swap..... | AUTO | 3 |
| | If no success: | | |
| | Land ASAP | | |

RPM OVERSPEED

- | | | | |
|---|-----------------------------------|-------------------------|---|
| 1 | Power lever | ADJUST to max. 2300 RPM | 1 |
| 2 | Flaps | UP | 2 |
| 3 | Airspeed..... | 73 KIAS | 3 |
| 4 | Power lever | AS REQUIRED | 4 |
| | but do not exceed 2300 RPM | | |
| 5 | ECU swap..... | ECU B | 5 |
| | • If no success: | | |
| 6 | ECU swap..... | AUTO | 6 |
| | Land ASAP | | |
| | If increased climb rate required: | | |
| 7 | Flaps | T/O | 7 |
| 8 | Airspeed..... | 66 KIAS | 8 |
| 9 | Power lever | ADJUST to max. 2300 RPM | 9 |

RPM UNDERSPEED

- | | | | |
|---|-------------------|-------------|---|
| 1 | Power lever | AS REQUIRED | 1 |
| 2 | ECU swap..... | ECU B | 2 |
| | • If no success: | | |
| 3 | ECU swap..... | AUTO | 3 |
| | Land ASAP | | |

FIRE / SMOKE ON GROUND

- | | | | |
|---|---------------------------|------|---|
| 1 | Power lever | IDLE | 1 |
| 2 | Cabin heat..... | OFF | 2 |
| 3 | Emergency fuel valve..... | OFF | 3 |
| 4 | Fuel transfer pump | OFF | 4 |
| 5 | Engine master..... | OFF | 5 |
| 6 | Electric master | OFF | 6 |

When engine stopped:

- | | | | |
|---|--------------|------|---|
| 7 | Canopy | OPEN | 7 |
|---|--------------|------|---|

Evacuate

FIRE / SMOKE DURING CONTINUED TKOF

- | | | | |
|---|-----------------|-----|---|
| 1 | Cabin heat..... | OFF | 1 |
|---|-----------------|-----|---|

Land ASAP

When landing assured:

- | | | | |
|---|---------------------------|----------------------|---|
| 2 | Emergency fuel valve..... | OFF | 2 |
| 3 | Fuel transfer pump | OFF | 3 |
| 4 | Engine master..... | OFF | 4 |
| 5 | Electric master | OFF | 5 |
| 6 | Emergency window..... | OPEN as necessary | 6 |
| 7 | Canopy | UNLATCH as necessary | 7 |

ELECTRIC FIRE / SMOKE IN FLIGHT

- | | | | |
|---|------------------------|----------------------|---|
| 1 | Emergency switch | ON | 1 |
| 2 | Avionic master | OFF | 2 |
| 3 | Electric master | OFF | 3 |
| 4 | Cabin heat..... | OFF | 4 |
| 5 | Emergency window..... | OPEN as necessary | 5 |
| 6 | Canopy | UNLATCH as necessary | 6 |

Land ASAP

ENGINE FIRE IN FLIGHT

- | | | | |
|-----------------------|------------------------------|----------------------|----|
| 1 | Cabin heat..... | OFF | 1 |
| 2 | Emergency landing | PREPARE | 2 |
| 3 | Airspeed..... | 73/68/60 KIAS | 3 |
| 4 | ATC | INFORM | 4 |
| 5 | Emergency window..... | OPEN as necessary | 5 |
| 6 | Canopy | UNLATCH as necessary | 6 |
| When landing assured: | | | |
| 7 | Emergency fuel valve..... | OFF | 7 |
| 8 | Power lever | MAX | 8 |
| 9 | Engine Master | OFF | 9 |
| On final: | | | |
| 10 | Flaps | LDG | 10 |
| 11 | Electric master switch | OFF | 11 |

SUSPICION OF CARBON MONOXIDE

- | | | | |
|---|----------------------------|--------------|---|
| 1 | Cabin heat & defrost | OFF | 1 |
| 2 | Ventilation..... | OPEN | 2 |
| 3 | Emergency windows | OPEN | 3 |
| 4 | Airspeed..... | max 120 KIAS | 4 |
| 5 | Canopy | UNLATCH | 5 |
| <i>Push up and lock in cooling gap position</i> | | | |

TOTAL ELECTRIC FAIL

- | | | | |
|--|--------------------------------|-----------------|---|
| 1 | Circuit breakers..... | CHECK ALL IN | 1 |
| 2 | Essential bus | ON | 2 |
| If no success: | | | |
| 3 | Emergency switch | ON | 3 |
| 4 | Flood light, if necessary..... | ON | 4 |
| 5 | Power | SET | 5 |
| according power lever position and/or engine noise | | | |
| 6 | Flaps | VERIFY POSITION | 6 |

Land ASAP

G1000 CAUTION LIGHTS

ECU A FAIL	Page 9	Engine ECU A fail
ECU B FAIL	Page 9	Engine ECU B fail
L FUEL LOW	Page 10	Main tank fuel qty low
VOLTS LOW	Page 10	Bus voltage too low
PITOT FAIL	Page 10	Pitot heating system failed
COOL LVL	No procedure	Engine coolant level low
PITOT HT OFF	No procedure	Pitot heating system OFF

Indications outside of green range

RPM high..... page 11
OIL PRESSURE high/low page 11
OIL TEMPERATURE high/ low..... page 11
FUEL TEMPERATURE high/low..... page 12
COOLANT TEMPERATURE high/low page 12
GEARBOX temperature high page 12
ALTERNATOR load yellow range page 12
VOLT high..... page 12

ECU A OR B FAIL**ON GROUND**

- Discontinue operation, terminate flight preparation

ECU A FAIL**DURING FLIGHT**

Remark: in case of ECU A fail the system automatically switches to ECU B

- Press ECU TEST button for more than 2 seconds
 - ❖ If ECU A caution message re-appears or cannot be reset:
 - ⇒ Land ASAP
 - ❖ If ECU A caution message can be reset:
 - ⇒ Continue flight. Engine must be serviced after LDG

ECU B FAIL**DURING FLIGHT**

- Press ECU TEST button for more than 2 seconds
 - ❖ If ECU B caution message re-appears or cannot be reset:
 - ⇒ Land ASAP
 - ❖ If ECU B caution message can be reset:
 - ⇒ Continue flight. Engine must be serviced after LDG

L FUEL LOW**MAIN TANK FUEL QTY LOW**

- Fuel transfer pump: ON
- Check fuel quantity
 - ❖ If light still ON:
 - ⇒ Expect fuel leak
 - ⇒ Be prepared for emergency landing

VOLTS LOW**BUS VOLTAGE TOO LOW**

Remark: possible reasons are
- malfunction of electrical supply
- RPM too low

- Check circuit breakers
 - ❖ On ground
 - ⇒ Increase RPM
 - ❖ If light still ON:
 - ⇒ Terminate flight preparation
 - ❖ In flight
 - ⇒ Switch off unnecessary electrical equipment
 - ❖ If light still ON:
 - ⇒ Apply "ALTERNATOR FAIL"-emergency procedure (*Emergency Checklist page 3*)

PITOT FAIL**PITOT HEATING SYSTEM FAILED**

- check pitot heat ON
 - ❖ if in icing conditions
 - ⇒ expect failure of the pitot-static-system
 - ⇒ alternate static valve: OPEN
 - ⇒ leave area with icing conditions

INDICATIONS OUTSIDE OF GREEN RANGE

RPM high

- Reduce power
- Keep RPM in green range with appropriate power lever setting
 - ❖ If power not sufficient: land ASAP

Oil pressure high

- Check oil temperature
- Check coolant temperature
 - ❖ If within green range
 - ⇒ Oil pressure indication may be faulty; watch temperatures
 - ❖ If outside of green range
 - ⇒ Reduce power
 - ⇒ Be prepared for engine fail; be prepared for emergency landing

Oil pressure low

- Reduce power
- Be prepared for loss of oil and engine fail; be prepared for emergency landing

Oil temperature high

- Check oil pressure
 - ❖ If too low
 - ⇒ Reduce power
 - ⇒ Be prepared for loss of oil and engine fail; be prepared for emergency landing
 - ❖ If in green range
 - ⇒ Reduce power
 - ⇒ Increase airspeed

Oil temperature low

- Increase power
- Reduce airspeed

Fuel temperature high

- Reduce power
- Increase airspeed

Fuel temperature low

- Increase power
- Reduce airspeed

Coolant temperature high

- Refer to **Emergency Checklist page 2, "ENG TEMP"**

Coolant temperature low

Remark: During low power descent from high altitude coolant temperature may decrease

- Check "COOL LVL" caution light
 - ❖ If ON
 - ⇒ Reduce power
 - ⇒ Expect loss of coolant fluid
 - ⇒ Be prepared for emergency landing

Gearbox temperature high

- Reduce power
- Increase airspeed

Alternator load yellow range

- Switch off unnecessary electrical equipment
 - ❖ If indication still outside of green range:
 - ⇒ Land ASAP

VOLT high

- Land ASAP