

| STALLING SPEEDS KIAS | | | | |
|---|---------------|---------------|---------------|---------------|
| | 1000kg | 1100kg | 1200kg | 1310kg |
| Stalling speed (V _S) Flaps UP | 58 | 61 | 64 | 66 |
| Stalling speed (V _S) Flaps T/O | 54 | 56 | 60 | 62 |
| Stalling speed (V _{SO}) Flaps LDG | 55 | 57 | 59 | 60 |

| OPERATING SPEEDS KIAS | | | | | |
|---|--------------|---------------|---------------|---------------|---------------------------|
| | 940kg | 1000kg | 1100kg | 1200kg | 1280kg + above |
| Rotation speed | 56 | 58 | 61 | 65 | 67 |
| V ₅₀ up to 50 ft | 62 | 65 | 67 | 70 | 72 |
| V _y up to safe altitude (Flaps T/O) | 72 | | | | |
| Cruise climb speed (Flaps UP) | 88 | | | | |
| Max. cruising speed (V _{NO}) | 130 | | | | |
| Never exceed speed (V _{NE}) | 172 | | | | |
| Max. flap speed (V _{FE}) Flaps T/O | 110 | | | | |
| Max. flap speed (V _{FE}) Flaps LDG | 98 | | | | |

| | 940kg | 1000kg | 1100kg | 1200kg | 1216kg | 1280kg +above |
|-------------------------------------|--------------|---------------|---------------|---------------|---------------|--------------------------|
| Approach V _{REF} Flaps UP | 71 | 73 | 78 | 82 | 82 | 83 |
| Approach V _{REF} Flaps T/O | 68 | 70 | 74 | 77 | 77 | 78 |
| Approach V _{REF} Flaps LDG | 66 | 68 | 72 | 76 | 76 | 77 |
| Min. GA speed Flaps T/O | 72 | | | | | |

| | up to 1080 kg | 1081-1180 kg | above 1180 kg |
|-------------------------------------|---------------|--------------|---------------|
| Maneuvering speed (V _O) | 101 | 108 | 113 |

| | |
|--|--|
| Best gliding Flaps UP, windmilling prop | 88 |
| | Gliding ratio 1:9,7 1,59 NM / 1000 ft |
| | Without wheel fairings: Gliding ratio 1:9,4 1,54 NM / 1000 ft |

Max demonstrated X-wind: 25 kt

| MASS | | | |
|---------------------------------|---------|-----------------|-----------------|
| | | Option "574" | Option "662" |
| Max. TKOF mass | 1280 kg | | 1310 kg |
| Max ZF mass | 1200 kg | 1265 kg | |
| Max. LDG mass | 1216 kg | 1280 kg | |
| Empty mass | 940 kg | | |
| Max. baggage in FWD compartment | 45 kg | | |
| Max. baggage in AFT extension | 18 kg | | |
| Total in both | 45 kg | | |

Available Power Check:

10 sec. power MAX, RPM 2200 – 2300 (min. 2100 below -10°C), min. load acc. table below

| Altitude [ft] | OAT | | | | | | | | |
|----------------------|------------|-------|-------|------|------|------|------|-------|-------|
| | -35°C | -20°C | -10°C | 0°C | 10°C | 20°C | 30°C | 40°C | 50°C |
| | -31°F | -4°F | 14°F | 32°F | 50°F | 68°F | 86°F | 104°F | 122°F |
| 0 | 94% | | | | | | 95% | 92% | 90% |
| 2000 | | | | | | | 95% | 92% | / |
| 4000 | | | | | | | 95% | 92% | / |
| 6000 | | | | | | | 96% | 95% | 92% |
| 8000 | | | | | | | 95% | 94% | 91% |
| 10000 | | | | | | | 94% | 93% | 91% |

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. 6 | Coolant temperature high (red range) |
| OIL TEMP | Pg. 6 | Oil temperature high (red range) |
| OIL PRES | Pg. 6 | Oil pressure low (red range) |
| GBOX TEMP | Pg. 7 | Gearbox temperature high (red range) |
| L/R FUEL TEMP | Pg. 7 | Fuel temperature high (red range) |
| FUEL PRESS | Pg. 7 | Fuel pressure low |
| ALTN FAIL | Pg. 7 | Alternator failed |
| ALTN AMPS | Pg. 8 | High Current (red range) |
| STARTER | Pg. 8 | Starter not disengaging |
| DOOR OPEN | Pg. 8 | Unlocked doors |

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

Abnormal Checklist starts at page 12

Emergency landing (engine off) page 2

Engine

| | |
|--|--------|
| Engine failure / Engine Fire in flight | page 2 |
| Windmill engine start | page 3 |
| Engine troubleshooting..... | page 4 |
| Oscillating RPM..... | page 5 |
| RPM overspeed | page 5 |
| RPM underspeed | page 5 |

Electric System

| | |
|-----------------------------|--------|
| High current | page 9 |
| Total electrical fail | page 9 |

Smoke and Fire

| | |
|---------------------------------------|---------|
| Engine fire in flight | page 2 |
| Electric fire / smoke in flight | page 9 |
| Fire / smoke on ground | page 10 |
| Fire / smoke in continued TKOF..... | page 10 |

Other Emergencies

| | |
|---|---------|
| Unintentional flight into icing | page 8 |
| Landing with defective main gear tire | page 11 |
| Landing with defective brakes | page 11 |
| Fuel transfer pump u/s | page 11 |
| Suspicion of carbon monoxide | page 11 |

ENGINE FAILURE IN FLIGHT

- 1 Airspeed 88 KIAS 1
 - 2 FlapsUP 2
- Depending on remaining altitude consider:
RESTART (page 3) or
EMERGENCY LANDING (ENGINE OFF) (see ↓)

EMERGENCY LANDING (ENGINE OFF)

- 1 Gliding speed 88 KIAS 1
 - 2 ATC..... INFORM 2
 - 3 Adjustable backrests UPRIGHT 3
 - 4 Engine master OFF 4
 - 5 Fuel transfer pump..... OFF 5
 - 6 Fuel pumps OFF 6
 - 7 Fuel valve OFF 7
 - 8 Avionic master..... OFF 8
 - 9 Safety harnessTIGHT 9
- On final:
- 10 FlapsT/O or LDG 11
- | | Approach speed KIAS | | | | |
|-------|---------------------|---------|---------|---------|---------|
| Flaps | 1000 kg | 1080 kg | 1160 kg | 1216 kg | 1280 kg |
| T/O | 70 | 73 | 76 | 77 | 78 |
| LDG | 69 | 72 | 74 | 76 | 77 |
- 11 Electric master switch..... OFF 10

ENGINE FIRE IN FLIGHT

- 1 Cabin heat OFF 1
 - 2 Canopy UNLATCH as necessary 2
- Select emergency landing area
 When certain to reach landing area:
- 3 Fuel valve OFF 3
 - 4 Power lever MAX 4
 - 5 Emergency windows OPEN as necessary 5
- Carry out:
EMERGENCY LANDING (ENGINE OFF) (see ↑)

WINDMILL ENGINE START

Do not consider starter assisted restart if propeller has stopped

Max. altitude:

16.400 ft PA for immediate restart

10.000 ft PA for restart within 2 minutes

- 1 Airspeed 88 KIAS 1
- 2 Power lever IDLE 2
- 3 VOTER switch CHECKED AUTO 3
- 4 Fuel valve CHECKED NORMAL 4
- 5 Alternate air AS REQUIRED 5
- 6 Fuel quantity CHECKED 6
- 7 Fuel transfer pump AS REQUIRED 7
- 8 Electric master CHECKED ON 8
- 9 Engine master CHECKED ON 9
 - If engine does not start:
- 10 Fuel valve EMERGENCY 10
 - If engine does not start:
- 11 Flaps UP 11

Carry out:

EMERGENCY LANDING (ENGINE OFF) (page 2)

ENGINE TROUBLESHOOTING

- | | | | |
|---|-------------------|---------|---|
| 1 | Airspeed | 88 KIAS | 1 |
| 2 | Power lever | MAX | 2 |

❖ If

ECU A AND B FAIL
simultaneously

and ALL of the following conditions exist:

- **indicated LOAD unchanged**
- **perceived thrust is reduced**
- **engine noise level changes or engine running rough**

- | | | | |
|---|-------------------|---|---|
| 3 | POWER lever | IDLE for 1 second | 3 |
| 4 | POWER lever | slowly increase to 1975 RPM | 4 |
| | ● | If engine shows power loss during the POWER lever increase | |
| 5 | POWER lever | idle for 1 second | 5 |
| 6 | POWER lever | slowly increase | 6 |
| | | stop prior to the RPM where former engine power loss was observed | |

Do not increase the POWER lever past the propeller speed of 1975 RPM or the setting determined in step 4. An increase of engine power beyond this setting leads into another power loss.

With this power setting the engine can provide up to 65% at the maximum propeller speed of 1975 RPM

- | | | | |
|---|---|--|---|
| 7 | Land at nearest suitable airfield | | 7 |
|---|---|--|---|

End of Checklist

❖ Otherwise:

- | | | | |
|---|------------------------|---|-------------------------------------|
| 3 | Circuit breakers | CHECK/RESET | 3 |
| | ● | If engine OK: continue, land ASAP | End of Checklist |
| 4 | VOTER switch | SWAP between A and B | 4 |
| | ● | If engine OK: continue, land ASAP | End of Checklist |
| 5 | VOTER switch | AUTO | 5 |
| | ● | If engine OK: continue, land ASAP | End of Checklist |
| 6 | Fuel valve | EMERGENCY | 6 |
| | ● | If engine OK: continue, land ASAP | End of Checklist |
| 7 | Fuel valve | NORMAL | 7 |
| 8 | Alternate air | OPEN | 8 |
| 9 | POWER lever | apply power as required | 8 |
| | ● | If engine OK: land as soon as practicable | End of Checklist |
| | ● | If engine still not OK: be prepared for | ENGINE FAILURE IN FLIGHT, land ASAP |
| | | End of Checklist | |

OSCILLATING RPM

- | | | | |
|---|-----------------------------------|----------------------|---|
| 1 | Power lever | CHANGE SETTING | 1 |
| | ● If no success: | | |
| 2 | VOTER switch | SWAP between A and B | 2 |
| | ● If no success: | | |
| 3 | VOTER switch | AUTO | 3 |
| | Land at nearest suitable airfield | | |

RPM OVERSPEED

- | | | | |
|----|-----------------------------------|-------------------------|----|
| 1 | Power lever | ADJUST to max. 2300 RPM | 1 |
| 2 | Airspeed | 88 KIAS | 2 |
| 3 | Flaps | UP | 3 |
| ❖ | If RPM stabilized below 2300: | | |
| 4 | Airspeed | AS REQUIRED | 4 |
| 5 | Power lever | AS REQUIRED | 5 |
| | but do not exceed 2300 RPM | | |
| ❖ | If RPM still above 2300: | | |
| 6 | VOTER switch | SWAP between A and B | 6 |
| | ● If no success: | | |
| 7 | VOTER switch | AUTO | 7 |
| | adjust RPM with power lever | | |
| | Land at nearest suitable airfield | | |
| | If increased climb rate required: | | |
| 8 | Flaps | T/O | 8 |
| 9 | Airspeed | 72 KIAS | 9 |
| 10 | Power lever | ADJUST to max. 2300 RPM | 10 |

RPM UNDERSPEED

- | | | | |
|---|-----------------------------------|----------------------|---|
| 1 | Power lever | AS REQUIRED | 1 |
| 2 | VOTER switch | SWAP between A and B | 2 |
| | ● If no success: | | |
| 3 | VOTER switch | AUTO | 3 |
| 4 | Power lever | AS REQUIRED | 4 |
| | Land at nearest suitable airfield | | |

G1000 WARNINGS**ENG TEMP****COOLANT TEMPERATURE HIGH**

- Check "COOL LVL" caution message
 - ❖ → 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, if necessary descend
 - ⇒ Check coolant temperature in green range
 - If not returning to green range:
 - ⇒ land at nearest suitable airfield
- ❖ 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
- Expect loss of oil
- Land at nearest suitable airfield
- Be prepared for engine fail

GBOX TEMP

- Reduce power
- Increase airspeed
 - If gearbox temperature still in red range:
 - ⇒ Land at nearest suitable airfield
 - ⇒ Be prepared for engine fail

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

- Reduce power
- Increase airspeed
- Consider fuel transfer from AUX to MAIN tank
 - If fuel temperature **not returning** to green range:
 - ⇒ Land at nearest suitable airfield

FUEL PRESS**FUEL PRESSURE LOW**

- Check fuel quantity
- Check fuel valve NORMAL
- Switch fuel pumps ON
 - If FUEL PRESS warning remains:
 - ⇒ Fuel valve to EMERGENCY
 - ⇒ Switch fuel pumps OFF
 - If FUEL PRESS warning still remains
 - ⇒ Be prepared for engine fail

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

- Check circuit breakers
- ESSENTIAL BUS: ON
- Switch off unnecessary electrical equipment
- Land at nearest suitable airfield
- Be prepared for engine fail;
be prepared for emergency landing

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

Possible reason: fault in wiring or equipment

- Switch OFF electrical equipment as necessary and possible to reduce electric load
 - If problem not cleared:
 - Land at nearest suitable airfield

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 at nearest suitable airfield

Do not try to lock the rear door in flight

UNINTENTIONAL FLIGHT INTO ICING

Leave icing area, inform ATC

| | | | |
|---|------------------------|-------------------------------|---|
| 1 | Pitot heat..... | ON | 1 |
| 2 | Cabin heat | ON | 2 |
| 3 | Cabin air..... | DEFROST | 3 |
| 4 | RPM | INCREASE, change periodically | 4 |
| 5 | Alternate air..... | OPEN | 5 |
| 6 | Emergency windows..... | OPEN as required | 6 |

HIGH CURRENT

Refer to **Emergency Checklist page 8** "ALTN AMPS"

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 at nearest suitable airfield

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 immediately

Consider:

EMERGENCY LANDING (ENGINE OFF) (page 2)

FIRE / SMOKE ON GROUND

- | | | | |
|---|---|-------------------------|---|
| 1 | Power lever | IDLE | 1 |
| 2 | Cabin heat | OFF | 2 |
| 3 | Brakes | apply –airplane to stop | 3 |
| 4 | Fuel valve | OFF | 3 |
| 5 | Fuel transfer pump | OFF | 4 |
| 6 | Engine master | OFF | 5 |
| 7 | Fuel pumps | OFF | 6 |
| 8 | Electric master | OFF | 7 |
| | After standstill and when engine stopped: | | |
| 9 | Canopy | OPEN | 8 |
| | Evacuate | | |

FIRE / SMOKE DURING CONTINUED TKOF

- | | | | |
|---|--|----------------------|---|
| 1 | Cabin heat | OFF | 1 |
| | If possible climb to safe height and land ASAP | | |
| | When landing assured: | | |
| 2 | Fuel valve | OFF | 2 |
| 3 | Fuel transfer pump | OFF | 3 |
| 4 | Engine master | OFF | 4 |
| 5 | Fuel pumps | OFF | 5 |
| 6 | Electric master | OFF | 6 |
| 7 | Emergency window | OPEN as necessary | 7 |
| 8 | Canopy | UNLATCH as necessary | 8 |
| 9 | Flaps | Verify Flap position | 9 |

| | Approach speed KIAS | | | | |
|-------|---------------------|---------|---------|---------|---------|
| Flaps | 1000 kg | 1080 kg | 1160 kg | 1216 kg | 1280 kg |
| T/O | 70 | 73 | 76 | 77 | 78 |
| LDG | 69 | 72 | 74 | 76 | 77 |

LANDING WITH DEFECTIVE MAIN GEAR TIRE

1 ATC..... INFORMED 1

For landing:

- Land on RWY side with "good" tire
- Keep wing on "good" side low
- Support directional control with brake

LANDING WITH DEFECTIVE BRAKES

Preferably land on grass.

After touchdown (if necessary):

| | | | |
|---|-----------------------|-----|---|
| 1 | Fuel valve | OFF | 1 |
| 2 | Engine master | OFF | 2 |
| 3 | Fuel pumps | OFF | 3 |
| 4 | Electric master | OFF | 4 |

FUEL TRANSFER PUMP U/S

| | | | |
|---|--------------------------|------------------|---|
| 1 | Fuel valve | EMERGENCY | 1 |
| 2 | Fuel pumps | OFF | 2 |
| 3 | AUX fuel quantity | CHECK min 1 USG | 3 |
| 4 | MAIN fuel quantity | CHECK max 14 USG | 4 |
| 5 | Fuel valve | Reset to NORMAL | 5 |

SUSPICION OF CARBON MONOXIDE

| | | | |
|---|-------------------------|--------------|---|
| 1 | Cabin heat | OFF | 1 |
| 2 | Ventilation | OPEN | 2 |
| 3 | Emergency windows | OPEN | 3 |
| 4 | Airspeed | max 117 KIAS | 4 |
| 5 | Canopy | UNLATCH | 5 |

Push up and lock in cooling gap position

G1000 CAUTION LIGHTS

| | | |
|---------------------|--------------|------------------------------------|
| ECU A FAIL | Page 13 | Fault in ECU A |
| ECU B FAIL | Page 13 | Fault in ECU B |
| FUEL LOW | Page 14 | Main tank fuel qty low |
| VOLTS LOW | Page 14 | Bus voltage too low |
| PITOT FAIL | Page 14 | Pitot heating system failed |
| COOL LVL | Page 14 | Engine coolant level low |
| PITOT HT OFF | No procedure | Pitot heating system OFF |

Indications outside of green range

| | |
|------------------------------------|---------|
| RPM high | page 15 |
| OIL PRESSURE high/low | page 15 |
| OIL TEMPERATURE high/ low | page 15 |
| FUEL TEMPERATURE high/low..... | page 16 |
| COOLANT TEMPERATURE high/low | page 16 |
| GEARBOX temperature high | page 16 |
| ALTERNATOR load yellow range | page 16 |

Other abnormal situations

| | |
|--------------------|---------|
| Flap failure | page 16 |
|--------------------|---------|

ECU A OR B FAIL**ON GROUND**

- | | | | |
|---|-------------------------|------------|---|
| 1 | Fuel pumps | OFF | 2 |
| 2 | VOTER switch | check AUTO | 3 |
| 3 | Other ECU caution | check OFF | 4 |

Clearing procedure:

- | | | | |
|---|--------------------|-------------------|---|
| 4 | VOTER switch | set to failed ECU | 5 |
| | | Wait 5 seconds | |

- | | | | |
|---|---------------------------|------------------------------|---|
| 5 | Voter switch | AUTO | 6 |
| | ● If ECU caution persists | terminate flight preparation | |

ECU A OR B FAIL**DURING FLIGHT**

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

- | | | | |
|---|------------------------|--------------------------|---|
| 1 | Alternate Air | OPEN | 1 |
| 2 | Fuel pumps | ON | 2 |
| 3 | Circuit breakers | CHECK/RESET if necessary | 3 |
| 4 | VOTER switch | check AUTO | 4 |

- If ECU caution persists:
 - ⇒ Land at nearest suitable airfield
- If additional engine problems are observed:
 - ⇒ Go to **Emergency Checklist page 4**
ENGINE TROUBLESHOOTING

Remark: after landing the clearing procedure for "ECU FAIL ON GROUND" may be used.

**ECU A AND B FAIL
SIMULTANEOUSLY****DURING FLIGHT**

- Go to **Emergency Ckl page 4** ENGINE TROUBLESHOOTING

FUEL LOW

- Fuel transfer pump: ON
- Check fuel quantity
- Avoid uncoordinated flight
 - If light still ON:
 - ⇒ Expect fuel leak
 - ⇒ Fuel valve to EMERGENCY
 - ⇒ Fuel transfer pump OFF
 - ⇒ Be prepared for emergency landing

VOLTS LOW**BUS VOLTAGE TOO LOW**

Remark: possible reason is a fault in the electrical power supply

- ❖ → On ground
 - ⇒ Terminate flight preparation
- ❖ In flight
 - ⇒ Check circuit breakers
 - ⇒ Switch off unnecessary electrical equipment
 - If light still ON:
 - Apply "ALTERNATOR FAIL"-emergency procedure
(Emergency Checklist page 7)

PITOT FAIL**PITOT HEATING SYSTEM FAILED**

- check pitot heat ON
 - If in icing conditions
 - ⇒ expect loss of airspeed indication
 - ⇒ leave area with icing conditions

COOL LVL**ENGINE COOLANT LEVEL LOW**

- Monitor annunciators and instruments
- Check „Coolant temperature“ procedure, page 16

INDICATIONS OUTSIDE OF GREEN RANGE

RPM high

Yellow range is permitted for up to 5 minutes if required

- Reduce power
- Keep RPM in green range using the power lever
 - If problem not solved
 - ⇒ Go to „RPM overspeed“ procedure,
Emergency Checklist page 5
 - ⇒ Land at nearest suitable airfield

OIL pressure high

- ❖ → On ground during warm up with low oil temperature
 - Reduce power until oil pressure green, continue warm up at reduced power
- ❖ During flight
 - Check oil temperature
 - Check coolant temperature
 - ❖ → If temperatures within green range
 - ⇒ Oil pressure indication may be faulty; watch temperatures
 - ❖ If temperatures outside of green range
 - ⇒ Reduce power;
 - ⇒ Land at nearest suitable airfield, be prepared for engine fail

Oil pressure low

- Refer to **Emergency Checklist page 6**, “OIL PRES”

Oil temperature high

- Refer to **Emergency Checklist page 6**, “OIL TEMP”

Oil temperature low

- Increase power
- Reduce airspeed

Fuel temperature high

- Refer to **Emergency Checklist page 7**, "L/R FUEL TEMP"

FUEL temperature low

- Monitor fuel temperature
 - If fuel temperature decreases to red range ($< -25^{\circ}\text{C}$):
 - ⇒ Increase power
 - ⇒ Reduce airspeed
 - If not returning to yellow range:
 - ⇒ Land at nearest suitable airfield

Coolant temperature high

- Refer to **Emergency Checklist page 6**, "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 engine failure

Gearbox temperature high

- Refer to **Emergency Checklist page 7**, "GBOX TEMP"

Alternator load yellow range

- Switch off unnecessary electrical equipment
 - If indication still outside of green range:
 - ⇒ Land at nearest suitable airfield

Flap failure

- Check flaps visually, recheck all flap switch positions
- Approach speeds with abnormal flap setting:

| Approach speed KIAS | | | | | | |
|----------------------------|---------------|----------------|----------------|----------------|----------------|----------------------------|
| Flaps | 940 kg | 1000 kg | 1100 kg | 1200 kg | 1216 kg | 1280 kg + above |
| T/O | 68 | 70 | 74 | 77 | 77 | 78 |
| UP | 71 | 73 | 78 | 82 | 82 | 83 |