



EMERGENCY  
CHECKLIST

C-182

G-BKHJ

BODØ FLYKLUBB

Revidert 09.03.2009

# Emergency Checklist C-182 G-BKHJ

Bodø Flyklubb

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## AIRSPEEDS

- Engine failure after take-off.....Flaps UP.....80 MPH  
Flaps DOWN.....75 MPH
- Landing without engine power....Flaps UP.....80 MPH  
Flaps DOWN.....75 MPH
- Maximum glide:.....80 MPH
- Maneuvering speed.....2950 lbs.....126 MPH  
2000 lbs.....110 MPH

## ENGINE & POWER FAILURE

### ENGINE POWER LOSS DURING TAKE-OFF

- Throttle.....IDLE
- Brakes.....APPLY
- If time permits:
  - Wing Flaps.....RETRACT
- Mixture.....IDLE CUT-OFF
- Ignition Switch.....OFF
- Master Switch.....OFF

### ENGINE POWER IMMEDIATELY AFTER TAKE-OFF

- Nose Down.....80 MPH (Flaps UP)  
75 MPH (Flaps DOWN)
- Throttle.....IDLE
- Select proper landing area.
- Flaps.....AS REQUIRED
- If time permits:
  - Mixture.....IDLE CUT-OFF
- Fuel Selector.....OFF
- Ignition Switch.....OFF
- Master Switch.....OFF

### ENGINE FAILURE DURING FLIGHT

- Airspeed.....80 MPH
- Carburator Heat.....ON
- Select proper landing area.
- Fuel Selector.....BOTH
- Propeller.....High RPM (Fully forward)
- Mixture.....RICH
- Ignition Switch.....BOTH (or START if propeller is stopped)
- Primer.....IN and LOCKED
- Restart fails.....continue with EMERGENCY LANDING WITHOUT ENGINE POWER

## FORCED LANDINGS

### EMERGENCY LANDING WITHOUT ENGINE POWER

- Nose down.....80 MPH (Flaps UP)  
75 MPH (Flaps DOWN)
- Mixture.....IDLE CUT-OFF
- Fuel Selector.....OFF
- Ignition Switch.....OFF
- Wing Flaps.....AS REQUIRED
- Master Switch.....OFF
- Doors.....UNLATCH PRIOR TO TOUCHDOWN
- Touchdown.....SLIGHTLY TAIL LOW
- Brakes.....APPLY HEAVILY

**FORCED LANDINGS (CONTINUED)**

**PRECAUTIONARY LANDING WITH ENGINE POWER**

- Wing Flaps.....20°
- Airspeed.....80 MPH
- Selected Airfield.....FLY OVER, noting terrain and obstructions
- Avionics Power Switch.....OFF
- Electrical Equipment.....OFF
- Wing Flaps.....40° (on final approach)
- Airspeed.....75 MPH
- Master Switch.....OFF
- Doors.....UNLATCH PRIOR TO TOUCHDOWN
- Touchdown.....SLIGHTLY TAIL LOW
- Ignition Switch.....OFF
- Brakes.....APPLY HEAVILY

**DITCHING**

- Radio.....TRANSMIT MAY-DAY on frequency, SQUAWK 7700
- Heavy Objects.....SECURE OR JETTISON
- Approach.....High Winds, Heavy Seas – INTO THE WIND
- Light Winds, Heavy Swells – PARALLEL TO SWELLS
- Flaps.....30°-40°
- Power.....ESTABLISH 300' pr. min RATE OF DESCENT AT 70 MPH
- Note:
- If no power is available, approach at 80 MPH with flaps up or at 70 MPH with flaps down
- Cabin Doors.....UNLATCH
- Touchdown.....LEVEL ATTITUDE AT ESTABLISHED RATE OF DESCENT
- Face.....CUSHION at touchdown with folded coat.
- Airplane.....EVACUATE. If necessary open window to equalize pressure.
- Life Vests and Raft.....INFLATE

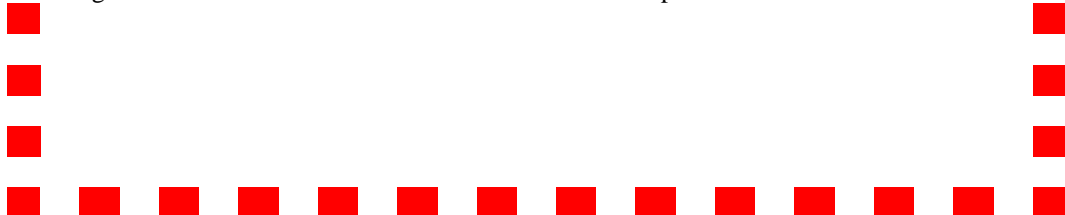
**ELECTRICAL POWER FAILURE**

**AMMETER SHOWS EXCESSIVE RATE OF CHARGE (full scale deflection)**

- Alternator.....OFF
- Alternator Circuit Breaker.....PULL
- Non-Essential Equipment.....OFF
- Flight.....TERMINATE AS SOON AS PRACTICAL

**LOW-VOLTAGE LIGHT ON DURING FLIGHT (Ammeter indicates discharge)**

- Avionics Power Switches.....OFF
- Alternator Circuit Breaker.....OFF
- Master Switch.....OFF (both sides)
- Master Switch.....ON
- Low-Voltage Light.....CHECK OFF
- Avionics Power Switches.....ON (One by one)
- If Low-Voltage Light illuminates again:
- Alternator.....OFF
- Non-Essential Equipment.....OFF
- Flight.....TERMINATE as soon as practical



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## FIRE

### FIRE DURING START ON GROUND

Cranking.....CONTINUE, to get a start which would suck the flames into the engine

#### If engine starts:

Power.....1700 RPM

Engine.....SHUTDOWN and inspect for damage

#### If engine fails to start:

Throttle.....FULL OPEN

Mixture.....IDLE CUT-OFF

Cranking.....CONTINUE

Fire Extinguisher.....OBTAIN

Engine.....SECURE

- Master Switch.....OFF

- Ignition Switch.....OFF

- Fuel Selector.....OFF

Fire.....EXTINGUISH

Fire Damage.....INSPECT

### ENGINE FIRE IN FLIGHT

Mixture.....IDLE CUT-OFF

Fuel Selector.....OFF

Master Switch.....OFF

Cabin Heat and Air.....OFF (except overhead vents)

Airspeed.....100 MPH, faster if necessary to extinguish fire

Proceed with **EMERGENCY LANDING WITHOUT ENGINE POWER**

### ELECTRICAL FIRE IN FLIGHT

Master Switch.....OFF

Avionics Power Switch.....OFF

Electrical Equipment.....OFF

Vents/Cabin Air/Heat.....CLOSED

Fire Extinguisher.....ACTIVATE

If fire appears out, and electrical power is necessary for continued flight:

Master Switch.....ON

Circuit Breakers.....CHECK, do not reset faulty circuit

Radio Switches.....OFF

Avionics Power Switch.....ON

Radio/Elec. Equipment.....ON, one at a time, with delay after each until short circuit is localized

Vents/Cabin Air/Heat.....OPEN, when it is ascertained that the fire is extinguished

### CABIN FIRE

Master Switch.....OFF

Vents/Cabin Air/Heat.....OFF

Fire Extinguisher.....ACTIVATE

Land the airplane as soon as possible to inspect for damage.

### WING FIRE

Navigation Light Switch.....OFF

Pitot Heat Switch.....OFF

Perform a sideslip to keep the flames away from the fuel tank and cabin.

Land as soon as possible using flaps only as required for final approach and touchdown.

## WARNING

**AFTER DISCHARGING AN EXTINGUISHER WITHIN A CLOSED CABIN,  
VENTILATE THE CABIN**