

Katana DA20-C1 Emergency Checklists

Airspeeds (KIAS)

VGLIDE	(No Flaps) 73
VFE	78
VA	106
VNO	118
VNE	164
<u>*Emergency Land (Engine Off)</u>	
Flaps Cruise	64
Flaps T/O	60
Flaps LDG	53
Engine Failure After T/O	58

Engine Failures

Engine Failure during Take-Off

Brakes	as required
Throttle	IDLE
Mixture	IDLE CUT-OFF
Flaps	CRUISE
GEN/BAT Master Switch	OFF
Ignition	OFF

Engine Failure after Take-Off

Airspeed	(T/O Flaps) 58 KIAS
Alternate Air	ON
Throttle	FULL
Mixture	FULL RICH
Fuel Shut-off Valve	OPEN
Fuel Pump	ON
Ignition Switch	BOTH

Shortly Before Landing

Mixture	IDLE CUT-OFF
Fuel Shut-Off Valve	CLOSED
Flaps	as required
OPEN	
GEN/BAT Master Switch	OFF
Ignition Switch	OFF

Engine Failure during Flight

(Engine Running Roughly)	
Alternate Air	OPEN
Throttle	at present position
Mixture	FULL RICH
Fuel Shut-off	OPEN
Fuel Pump	ON
Ignition Switch	cycle L/R-BOTH

Loss of Oil Pressure

Oil Temperature Check
 *If oil pressure drops below Green Arc but Oil Temperature is normal—
 land at nearest airfield

* If oil pressure drops below Green Arc and Oil Temperature is Rising Reduce throttle to minimum required power; land as soon as possible. Be prepared for engine failure & emergency landing.

Loss of Fuel Pressure

Fuel Pump ON—
 Airspeed Best Glide 73KIAS
 land at nearest suitable airport
 *If fuel is not restored land at nearest suitable airport, prepare for engine failure & emergency landing

Restart

(*Propeller Windmilling*)
 Sensenich will windmill at or above 60kts
 Airspeed 73 kts
 Throttle ¼ in forward
 Mixture FULL RICH
 Fuel Shut-off Valve
 Flaps CRUISE
 Fuel Pump ON
 Ignition Switch BOTH

**After successful re-start*

Oil Pressure check
 Oil Temperature check
 Electric Equipment ON if required

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Emergency Landing

Landing with Engine off

Airspeed	as required with Flaps
Safety Belts	secured
Mixture	IDLE CUT-OFF
Fuel Shut-off Valve	CLOSED
Fuel Pump	OFF
Ignition Switch	OFF
Radio	Transmit 121.5 Mhz giving location and intentions
GEN/BAT Master Switch	OFF

Fire

Engine Fire during Flight

Cabin Heat	CLOSED
Fuel Shut-off Valve	CLOSED
Fuel Pump	OFF
Airspeed	(VGLIDE) 73 KIAS
Perform Emergency Landing Checklist	

*Note: If suitable landing area is available & can safely be reached, airspeed can be increased in attempt to extinguish the fire. Do not exceed VNO 118 KIAS.

Engine Fire during Start-Up

Mixture	IDLE CUT-OFF
Fuel Shut-off Valve	CLOSED
Master	ON
Ignition Switch	Start (2 seconds)
Cabin Heat	CLOSED
Master	OFF

Evacuate Airplane Immediately

Electrical Fire/Smoke during Flight

Cabin Heat	CLOSED
GEN/BAT Master Switch	OFF
Avionics Master Switch	OFF
Cabin Air	OPEN
Fire Extinguisher	Use only if smoke development continues

Icing

Unintentional Flight into Icing Area

Leave icing area (change altitude/flight direction for area with higher outside air)
 Continue to move control surfaces
 Alternate Air ON
 Increase RPM to avoid icing of propeller
 Cabin Heat ON DEFROST

Recovery from Spin

Throttle	IDLE
Rudder	Fully applied to opposite direction
Control Stick	ease forward
Rudder	neutral after rotation has stopped
Wing Flaps	CRUISE
Elevator	pull cautiously

Bring airplane from descent into level position. *Do not exceed VNE 164 KIAS

Gliding

Wing Flaps	CRUISE
Airspeed	73 KIAS
Glide Ratio 11:1 Example: For every 1000 Feet of altitude the aircraft can move Forward 11,000 feet or 1.8 NM.	