

**Aviate - Navigate - Investigate - Communicate - Secure**

EMERGENCY PROCEDURES		KATANA DA-20
<b>Engine Failure - Takeoff</b>	Evacuate aircraft Use fire extinguisher	<b>Low Fuel Pressure</b> Fuel pump ON Fuel Light Remains On: Land as soon as possible Expect engine failure
Throttle to IDLE Braking MAXIMUM Flaps RETRACTED Magnetos OFF Master switch OFF	<b>Engine Fire - In Flight</b> Fuel valve CLOSED Airspeed to 70 KIAS Flaps to TAKEOFF Throttle to FULL Fuel pump OFF Cabin heat CLOSED Execute forced approach	<b>Electrical Failure</b> Battery circuit breaker CHECK Master switch CHECK ON If Problem Persists: Land at nearest airfield
<b>Engine Failure - Climb</b>	<b>Electrical Fire - Ground</b>	<b>Low Voltage - Ground</b>
Insufficient Power: Airspeed to 65 KIAS Carb air HOT Choke OFF Fuel valve OPEN Magnetos on BOTH Fuel pump ON Propeller FORWARD	Master switch OFF Throttle to IDLE Fuel valve CLOSED Magnetos OFF Evacuate aircraft Use fire extinguisher	Propeller INCREASE RPM Electrics REDUCE LOAD If Problem Persists: Cancel Flight
No Power: Fuel valve CLOSED Magnetos OFF Master switch OFF	<b>Electrical Fire - In Flight</b>	<b>Low Voltage - In Flight</b>
<b>Engine Failure - In Flight</b>	Master switch OFF Cabin air OPEN Use fire extinguisher If Electrics Required: Avionics switch OFF Electrics OFF Battery master ON Avionics switch ON Radio ON	Electrics REDUCE LOAD If Needle Still in Yellow: See Generator Failure
Airspeed to 65 KIAS Propeller FORWARD Flaps to TAKEOFF Carb air HOT Fuel pump ON Landing site SELECT Engine CHECK NO FIRE Cause Check: Fuel Pump ON Fuel Quantity OK Fuel valve OPEN Carb air HOT Throttle IDLE Magnetos CYCLE Attempt restart	Land as soon as possible <b>Cabin Fire</b> Master switch OFF Cabin air OPEN Cabin heat CLOSED Use fire extinguisher Land as soon as possible	<b>Generator Failure</b> Master switch CYCLE Generator breaker RESET Gen control breaker RESET If Problem Persists: Electrics REDUCE LOAD Land at nearest airfield About 30 min capacity
Transmit MAYDAY 121.5 Squawk 7700 Switches except master OFF When Landing Assured: Flaps to LANDING Master switch OFF	<b>Propeller Overspeed</b> Propeller REDUCE RPM Throttle REDUCE Oil pressure CHECK	<b>Flap Indicator Failure</b> Flaps CHECK VISUALLY Airspeed 81 KIAS (or less) Flaps TRY ALL SETTINGS If Flaps Stuck: Up - Flat Apprch 62 KIAS TO - Flat Apprch 57 KIAS Ldg - Normal Approach
<b>Engine Fire - Ground</b>	<b>Low Oil Pressure</b> Oil temperature CHECK Temperature Normal: Land at nearest airfield Temperature Rising: Power to MINIMUM REQ'D Land as soon as possible Expect engine failure	<b>Stuck Trim</b> Trim circuit breaker CHECK Trim switch TRY BOTH WAYS WAIT 5 MIN & TRY AGAIN If Problem Persists: Land at nearest airfield Expect up to 20lb forces
Fuel valve CLOSED Throttle to FULL Master switch OFF Magnetos OFF		<b>Runaway Trim</b> Control aircraft Trim circuit breaker PULL Trim switch CHECK IF STUCK

EMERGENCY COMMUNICATIONS	121.5 MHz	SQUAWK 7700
MAYDAY, MAYDAY, MAYDAY	<i>Intentions of PIC</i>	<i>Colour of plane</i>
THIS IS <i>ident, ident, ident</i>	<i>Location &amp; altitude</i>	<i>Number on board</i>
<i>Description of problem</i>	<i>Heading &amp; airspeed</i>	<i>Extent of injuries</i>
<i>Help required</i>	<i>Type of plane</i>	<i>Repeat ident</i>