# **EMERGENCY CHECKLIST**

## ENGINE FAILURE TAKEOFF ROLL

1. THROTTLE	IDLE
2. BRAKES	APPLY
3. WING FLAPS	RETRACT
4. MIXTURE	IDLE/CUTOFF
5. IGNITION SWITCH	OFF
5. MASTER	OFF

# ENGINE FAILURE – IMMED. AFTER TAKEOFF

1. AIRSPEED..70KIAS (flaps up) 65 KIAS (flaps down)

2. MIXTURE	IDLE CUT OFF
3. FUEL SHUTOFF VALVE	OFF (pull full out)
4. IGNITION SWITCH	OFF
5. WING FLAPS	AS REQUIRED
6. MASTER SWITCH	OFF
7. CABIN DOOR	UNLATCHED
8. LAND	STRAIGHT AHEAD

# **ENGINE FAILURE DURING FLIGHT**

(RESTART PROCEDURES)

1. AIRSPEED......68 KIAS 2. FUEL SHUTOFF VALVE.....ON 3. FUEL SELECTOR VALVE.....BOTH 4. AUX FUEL PUMP SWITCH....ON 5. MIXTURE ......RICH (if restart has not occurred) 6. IGNITION SWITCH...BOTH (or START if propeller

is stopped)

## ENGINE FIRE IN FLIGHT

- 1. MIXTURE......IDLE CUT OFF
- 2. FUEL SHUTOFF VALVE......PULL OUT (OFF)
- 3. AUX FUEL PUMP SWITCH.....OFF
- 4. MASTER SWITCH......OFF 5. CABIN HEAT AND AIR......OFF (except overhead vents)
- within airspeed limitations which will provide an incombustible mixture)
- 7. FORCED LANDING EXECUTE (as described in Emergency Landing Without Engine Power)

## ELECTRICAL FIRE IN FLIGHT

- 1. MASTER SWITCH.....OFF
- 2. VENTS, CABIN AIR, HEAT .....CLOSED
- 3. FIRE EXTINGUISHER......ACTIVATE 4. AVIONICS MASTER.....OFF
- 5. ALL OTHER SWITCHES (except ignition switch) OFF

WARNING

AFTER DISCHARING FIRE EXTINGUISHER AND ASCERTAINING THAT FIRE HAS BEEN EXTINGUISHED VENTILATE THE CABIN

# ELECTRICAL FIRE IN FLIGHT

# continued

- 6. VENTS/CABIN AIR/HEAT.....OPEN When it is ascertained that fire is completely extinguished - If fire has been extinguished and electrical power is necessary for continuance of flight to nearest airport or landing area.
- 7. MASTER SWITCH.....ON
- 8. CIRCUIT BREAKERS.....CHECK for faulty circuit
  - (do not reset)
- 11. RADIO/ELECTRICAL SWITCHES ON one at a time, with delay after each until short circuit is localized.

## **CABIN FIRE**

- 1. MASTER SWITCH.....OFF
- 2. VENTS/CABIN AIR/HEAT.....CLOSED
- 3. FIRE EXTINGUISHER......ACTIVATE ONCE FIRE IS OUT – VENTILATE CABIN
- 4. VENTS/CABIN AIR/HEAT.....OPEN
- 5. LAND THE AIRPLANE AS SOON AS POSSIBLE

# ENGINE FIRE DURING START ON THE GROUND

# **1. IGNITION SWITCH START - CONTINUE CRANKING** to get a start which would suck the flames and accumulated fuel into the engine.

If engine starts:

- 2. POWER......1800 rpm (for a few minutes)
- 3. ENGINE......SHUTDOWN (and inspect for damage)
- If engine fails to start:
- 4. THROTTLE.....FULL OPEN
- 5. MIXTURE.....IDLE CUT OFF
- 6. CRANKING.....CONTINUE
- 7. FUEL SHUTOFF VALVE.....OFF (pull full out) 8. AUX FUEL PUMP.....OFF
- 9. FIRE EXTINGUISHER......ACTIVATE
- 10. ENGINE......SECURE a. MASTER SWITCH......OFF
  - b. IGNITION SWITCH......OFF
- 11. PARKING BRAKE.....RELEASE
- 12. AIRPLANE.....EVACUATE
- 13. FIRE.....EXTINGUISH
- 14. FIRE DAMAGE.....INSPECT

## WING FIRE

- 1. LANDING/TAXI LIGHT SWITCHES......OFF 2. NAVIGATION LIGHT SWITCH.....OFF 3. STROBE LIGHT SWITCH.....OFF
- 4. 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

# **EMERGENCY CHECKLIST**

# **N972WW**

## FORCED LANDING EMERGENCY

WITHOUT ENGINE FOWER	WITHOUT	ENGINE PO	WER
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1. PASSENGER SEAT BACK	KSMOST UPRIGHT
2. SEAT BELTS/SHOULDER	HARNESSESSECURE
3. AIRSPEED 70KIAS (flag	os up) 65KIAS (flaps down)
4. MIXTURE	IDLE/CUTOFF
5. FUEL SELECTOR VALVE	
6. IGNITION SWITCH	OFF
7. WING FLAPSAS	REQ(30° recommended)
8. MASTER SWITCH	
9. DOORS	UNLATCHED (prior to landing)
10. TOUCHDOWN	SLIGHTLY TAIL LOW
11. BRAKES	APPLY HEAVILY

## LOW OIL PRESSURE

- 1. IF A TOTAL LOSS OF OIL PRESSURE IS ACCOMPANIED BY A RISE IN OIL TEMPERATURE, THERE IS GOOD REASON TO SUSPECT AN ENGINE FAILURE IS IMMINENT.
- 2. REDUCE ENGINE POWER IMMEDIATELY AND SELECT A SUITABLE FORCED LANDING FIELD. USE ONLY THE MINIMUM POWER REQUIRED TO REACH THE DESIRED TOUCHDOWN SPOT

## **ENGINE ROUGHNESS**

- 1. ENGINE INSTRUMENTS.....CHECK
- 2. FUEL SELECTOR.....OTHER TANK
- 3. MIXTURE......RE-ADJUST FOR
- SMOOTH OPERATIONS 4. MAGNETO/STARTER....SELECT **R** OR **L** OR **BOTH** 
  - IF ROUGHNESS DISAPPEARS ON SINGLE MAGNETO, MONITOR POWER AND CONTINUE ON SELECTED MAGNETO
- SEE POH FOR POWER LOSS AND ROUGH ENGINE WARNINGS
- 5. THROTTLE......REDUCE CHECK TO SEE IF A LESSER THROTTLE SETTING CAUSES

ROUGHNESS TO DECREASE

IF SEVERE ENGINE ROUGHNESS CANNOT BE ELIMINATED LAND AS SOON AS PRACTICABLE.

## ALTERNATOR OVERVOLTAGE

#### (ammeter shows overcharge)

1. ALTERNATOR SWITCH	1OFF
2. NON-ESSENTIAL EQU	IPMENTOFF
3. LAND AS SOON AS PR	ACTICABLE.

### LOW VOLTAGE

Illumination of the low voltage (VOLTS) annunciator In flight

1. AVIONICS MASTER	(IN
3. MASTER SWITCH(both sides) ( 4. MASTER SWITCH 5. LOW VOLTAGE ANNUNCIATORCHECK (	ON
6. AVIONICS.MASTER	NC
IF VOLTS ANNUNCIATOR ILLUMINATES AGA 7. ALTERNATOR	

## **AIRSPEEDS**

Engine Failure after Takeoff	
Wing Flaps up	70 KIAS
Wing Flaps down	65 KIAS
Maneuvering Speed:	
2550 Lbs	105 KIAS
2200 Lbs	98 KIAS
1900 Lbs	90 KIAS
Max Glide (Vg)	68 KIAS
Precautionary Landing with Engine Pow	er65 KIAS
Landing Without Engine Power	
Wing Flaps Up	70 KIAS
Win Flaps Down	65 KIAS

## **NOTE – INTENTIONAL SPINS PROHIBITED**