

# AMS FLIGHT SCHOOL



## CESSNA 172S SKYHAWK EMERGENCY PROCEDURES CHECKLIST

### ENGINE FAILURE DURING TAKEOFF ROLL

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

### ENGINE FAILURE AFTER TAKEOFF

- 1) AIRSPEED.....70 KIAS (FLAPS UP)  
65 KIAS (FLAPS DOWN)
- 2) MIXTURE.....IDLE CUTOFF
- 3) FUEL SHUTOFF VALVE.....OFF
- 4) IGNITION SWITCH.....OFF
- 5) WING FLAPS.....AS REQUIRED
- 6) MASTER SWITCH.....OFF
- 7) CABIN DOOR.....UNLATCHED
- 8) LAND.....STRAIGHT AHEAD

### ENGINE FAILURE IN FLIGHT

- 1) AIRSPEED.....68 MPH KIAS
- 2) FUEL SHUTOFF VALVE.....ON (PUSH FULL IN)
- 3) FUEL SELECTOR VALVE.....BOTH
- 4) AUXILIARY FUEL PUMP SWITCH.....ON
- 5) MIXTURE.....RICH
- 6) IGNITION SWITCH.....BOTH

### EMERGENCY LANDING WITHOUT POWER

- 1) PASSENGER SEATS.....UPRIGHT
- 2) SEATS/SEATBELTS.....SECURE
- 3) AIRSPEED.....70 KIAS (FLAPS UP)  
65 KIAS (FLAPS DOWN)
- 4) MIXTURE.....IDLE CUTOFF
- 5) FUEL SHUTOFF VALVE.....OFF
- 6) IGNITION SWITCH.....OFF
- 7) WING FLAPS.....AS REQUIRED
- 8) MASTER SWITCH.....OFF
- 9) DOORS.....UNLATCHED
- 10) TOUCHDOWN.....SLIGHTLY TAIL DOWN
- 11) BRAKES.....APPLY SMOOTHLY AND FULL

### EMERGENCY LANDING WITH POWER

- 1) PASSENGER SEATS.....UPRIGHT
- 2) SEATS/SEATBELTS.....SECURE
- 3) AIRSPEED.....65 KIAS
- 4) WING FLAPS.....20 DEGREES
- 5) LANDING FIELD.....SELECT
- 6) AVIONICS/ELECTRICAL SWITCHES.....OFF
- 7) WING FLAPS .....30 DEGREES
- 8) AIRSPEED.....65 KIAS
- 9) MASTER SWITCH.....OFF
- 10) DOORS.....UNLATCHED
- 11) TOUCHDOWN.....SLIGHTLY TAIL DOWN
- 12) BRAKES.....APPLY SMOOTHLY AND FULL

### ENGINE FIRE DURING START

- 1) IGNITION SWITCH.....CONTINUE CRANKING  
**ENGINE STARTS**

- 1) POWER.....1800 RPM
- 2) ENGINE.....SHUTDOWN

### ENGINE FAILS TO START

- 1) THROTTLE.....FULL OPEN
- 2) MIXTURE.....IDLE CUTOFF
- 3) CRANKING.....CONTINUE
- 4) FUEL SHUTOFF VALVE.....OFF
- 5) AUXILIARY FUEL PUMP.....OFF
- 6) ENGINE.....SECURE
- 7) PARKING BRAKE.....RELEASE
- 8) AIRPLANE.....EVACUATE

### ELECTRICAL FIRE DURING FLIGHT

- 1) MIXTURE.....IDLE CUTOFF
- 2) FUEL SHUTOFF VALVE.....PULL OUT (OFF)
- 3) AUXILIARY FUEL PUMP SWITCH.....OFF
- 4) MASTER SWITCH.....OFF
- 5) CABIN HEAT/AIR.....OFF
- 6) AIRSPEED.....100 KIAS
- 7) FORCED LANDING.....EVACUATE

### ELECTRICAL FIRE IN FLIGHT

- 1) MASTER SWITCH.....OFF
- 2) VENTS, CABIN AIR, HEAT.....CLOSED
- 3) AVIONICS MASTER SWITCH.....OFF
- 4) ALL OTHER SWITCHES .....OFF

### **FIRE HAS BEEN EXTINGUISHED**

- 5) VENTS, CABIN AIR, HEAT.....OPEN  
**IF NECESSARY**
- 6) MASTER SWITCH.....OFF
- 7) CIRCUIT BREAKERS.....CHECK
- 8) RADIO SWITCHES.....OFF
- 9) AVIONICS MASTER SWITCH.....ON
- 10) RADIO/ELECTRICAL SWITCHES.....ON

**CABIN FIRE**

- 1) MASTER SWITCH.....OFF
  - 2) VENTS, CABIN AIR, HEAT.....CLOSED
- FIRE HAS BEEN EXTINGUISHED**
- 3) VENTS, CABIN AIR.....OPEN
  - 4) LANDING.....AS SOON AS POSSIBLE

**WING FIRE**

- 1) LANDING/TAXI LIGHTS.....OFF
- 2) NAVIGATION LIGHTS.....OFF
- 3) STROBE LIGHT.....OFF
- 4) PITOT HEAT.....OFF

**ABNORMAL PROCEDURES**

**EXCESSIVE RATE OF CHARGE**

- 1) ALTERNATOR SWITCH.....OFF
- 2) NONESSENTIAL ELECTRICAL EQUIP.....OFF
- 3) LANDING.....AS SOON AS PRACTICAL

**EXCESSIVE RATE OF DISCHARGE/LOW VOLTAGE LIGHT ON**

- 1) AVIONICS MASTER SWITCH.....OFF
- 2) ALTERNATOR CIRCUIT BREAKER.....CHECK IN
- 3) MASTER SWITCH.....OFF (BOTH SIDES)
- 4) MASTER SWITCH.....ON
- 5) LOW VOLTAGE LIGHT.....CHECK OFF
- 6) AVIONICS SWITCH.....ON

**IF LIGHT REAPPEARS**

- 7) ALTERNATOR.....OFF
- 8) NONESSENTIAL RADIO AND ELECTRICAL EQUIPMENT.....OFF
- 9) LANDING.....AS SOON AS PRACTICAL

**VACUUM SYSTEM FAILURE**

- 1) VACUUM GAUGE.....CHECK

**CAUTION!**

*IF VACUUM IS NOT WITHIN NORMAL OPERATING LIMITS, A FAILURE HAS OCCURRED IN THE VACUUM SYSTEM AND PARTIAL PANEL PROCEDURES MAY BE REQUIRED FOR CONTINUE FLIGHT*

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