

AMS FLIGHT SCHOOL



CESSNA 172M SKYHAWK

EMERGENCY PROCEDURES CHECKLIST

ENGINE FAILURE

ENGINE FAILURE AFTER TAKE-OFF

- 1) AIRSPEED.....75 MPH (FLAPS UP)
70 MPH (FLAPS DOWN)
- 2) MIXTURE.....IDLE CUT-OFF
- 3) FUEL SELECTOR VALVE.....OFF
- 4) IGNITION SWITCH.....OFF
- 5) WING FLAPS.....AS REQUIRED
(40° RECOMMENDED)
- 6) MASTER SWITCH.....OFF

ENGINE FAILURE DURING FLIGHT

- 1) AIRSPEED.....80 MPH
- 2) CARBURETOR HEAT.....ON
- 3) FUEL SELECTOR VALVE.....BOTH
- 4) MIXTURE.....RICH
- 5) IGNITION SWITCH.....BOTH
(OR START IF PROPELLER IS NOT WINDMILLING)
- 6) PRIMER.....IN AND LOCKED

IF THE ENGINE CANNOT BE RESTARTED, A FORCED LANDING WITHOUT POWER MUST BE EXECUTED. PROCEED TO **EMERGENCY LANDING WITHOUT ENGINE POWER CHECKLIST**.

FORCED LANDING

EMERGENCY LANDING WITHOUT ENGINE

POWER

- 1) AIRSPEED.....75 MPH (FLAPS UP)
75 MPH (FLAPS DOWN)
- 2) MIXTURE.....IDLE CUT-OFF
- 3) FUEL SELECTOR VALVE.....OFF
- 4) IGNITION SWITCH.....OFF
- 5) WING FLAPS.....AS REQUIRED
(40° RECOMMENDED)
- 6) MASTER SWITCH.....OFF
- 7) DOORS.....UNLATCH PRIOR TO TOUCHDOWN
- 8) TOUCHDOWN.....SLIGHTLY TAIL LOW
- 9) BRAKES.....APPLY HEAVILY

PRECAUTIONARY LANDING WITH ENGINE

POWER

- 1) DRAG OVER SELECTED FIELD WITH FLAPS 20° AND 70 MPH AIRSPEED, NOTING THE PREFERRED AREA FOR TOUCHDOWN FOR THE NEXT LANDING APPROACH. THEN RETRACT FLAPS UPON REACHING A SAFE ALTITUDE AND AIRSPEED.
- 2) RADIO, ELECTRICAL SWITCHES.....OFF
- 3) WING FLAPS.....40° (ON FINAL APPROACH)
- 4) AIRSPEED.....70 MPH
- 5) MASTER SWITCH.....OFF
- 6) DOORS.....UNLATCH PRIOR TO TOUCHDOWN
- 7) TOUCHDOWN.....SLIGHTLY TAIL LOW
- 8) IGNITION SWITCH.....OFF
- 9) BRAKES.....APPLY HEAVILY

DITCHING

PREPARE FOR DITCHING BY SECURING OR JETTISONING HEAVY OBJECTS LOCATED IN THE BAGGAGE AREA, AND COLLECT FOLDED COATS OR CUSHIONS FOR PROTECTION OF OCCUPANT'S FACE AT TOUCHDOWN. TRANSMIT MAYDAY MESSAGE ON 121.5 MHz. GIVING LOCATION AND INTENTIONS. **REFER TO AIRCRAFT POH FOR FULL CHECKLIST**

FIRES

ENGINE FIRE IN FLIGHT

- 1) MIXTURE.....IDLE CUT OFF
- 2) FUEL SELECTOR VALVE.....OFF
- 3) MASTER SWITCH.....OFF
- 4) CABIN HEAT AND AIR.....OFF
(EXCEPT OVERHEAD VENTS)
- 5) AIRSPEED.....120 MPH
IF FIRE NOT EXTINGUISHED, INCREASE GLIDE SPEED TO FIND AN AIRSPEED WHICH WILL PROVIDE AN INCOMBUSTIBLE MIXTURE

ELECTRICAL FIRE IN FLIGHT

- 1) MASTER SWITCH.....OFF
- 2) ALL RADIO/ ELECTRICAL SWITCHES.....OFF
- 3) VENTS/CABIN AIR/HEAT.....CLOSED
- 4) FIRE EXTINGUISHER.....ACTIVATE
(IF AVAILABLE)

IF FIRE APPEARS OUT AND ELECTRICAL POWER IS NECESSARY FOR CONTINUANCE OF FLIGHT:

- 5) MASTER SWITCH.....ON
- 6) CIRCUIT BREAKERS.....CHECK FOR FAULTY CIRCUIT, DO NOT RESET
- 7) RADIO/ELECTRICAL SWITCHES.....ON ONE AT A TIME, WITH DELAY AFTER EACH UNTIL SHORT CIRCUIT IS LOCALIZED
- 8) VENTS/CABIN AIR/HEAT.....*OPEN
***WHEN IT IS ASCERTAINED THAT FIRE IS COMPLETELY EXTINGUISHED.**

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In case of emergency contact flight department:
(888) 306-2061