

Cessna 172R Emergency Procedures Checklist

ENGINE FAILURES

DURING TAKEOFF ROLL

THROTTLE.....IDLE
 DIRECTIONAL CONTROL.....MAINTAIN
 BRAKES.....APPLY
 WING FLAPS.....RETRACT
 TAXI.....OFF RUNWAY

-IF INADEQUATE RUNWAY AVAILABLE-

FUEL SHUTOFF VALVE.....OUT
 MIXTURE.....IDLE CUTOFF
 IGNITION SWITCH.....OFF
 MASTER SWITCH.....OFF
 DOORS.....UNLATCH
ENGINE FAILURE CHECKLIST.....COMPLETE

IMMEDIATELY AFTER TAKEOFF**-RUNWAY REMAINING-**

AIRSPPEED.....BEST GLIDE
 THROTTLE.....IDLE
 FLAPS.....AS REQUIRED
 LAND.....ON REMAINING RUNWAY
 BRAKE.....AS APPROPRIATE
 TAXI.....OFF RUNWAY

-NO RUNWAY REMAINING-

AIRSPPEED.....BEST GLIDE
 FUEL SHUTOFF VALVE.....OUT
 MIXTURE.....IDLE CUTOFF
 THROTTLE.....IDLE
 IGNITION SWITCH.....OFF
 FLAPS.....AS REQUIRED
 MASTER SWITCH.....OFF
 DOORS.....UNLATCH
 LAND.....STRAIGHT AHEAD
ENGINE FAILURE CHECKLIST.....COMPLETE

INFLIGHT / RESTART

AIRSPPEED.....BEST GLIDE
 FUEL SELECTOR.....BOTH
 FUEL SHUTOFF VALVE.....IN
 MIXTURE.....RICH
 THROTTLE.....INCREASE
 AUX FUEL PUMP.....ON
 IGNITION.....CYCLE L/R/BOTH

-IF PROPELLER NOT WINDMILLING-

IGNITION.....START
ENGINE FAILURE CHECKLIST.....COMPLETE

FORCED LANDING

SEAT BACKS.....UPRIGHT
 SEAT BELTS.....SECURE
 AIRSPEED.....BEST GLIDE
 SHUTOFF VALVE.....OFF
 MIXTURE.....IDLE CUTOFF
 THROTTLE.....IDLE
 FUEL PUMP.....OFF
 IGNITION SWITCH.....OFF
 FLAPS.....AS APPROPRIATE
 EMERGENCY RADIO CALL/SQUAWK.....MADE
 ELT.....ACTIVATE
 MASTER SWITCH.....OFF
 DOORS.....UNLATCH
 TOUCHDOWN.....TAIL LOW
 BRAKES.....APPLY HEAVILY
FORCED LANDING CHECKLIST.....COMPLETE

BEST GLIDE SPEEDS

FLAPS UP.....65 KIAS
 FLAPS DOWN.....60 KIAS

DITCHING

SWELL FACE.....AVOID
-DETERMINE APPROACH DIRECTION-
 LIGHT WINDS.....PARALLEL TO SWELLS
 HIGH WINDS.....INTO THE WIND
 WING FLAPS.....AS APPROPRIATE
 POWER...MIN RATE OF DESCENT (300 FPM)
 AIRSPEED.....55 with PWR/65 with no PWR
 DOORS.....UNLATCH
 TOUCHDOWN.....LEVEL ATTITUDE

LANDING WITH FLAT TIRES**FLAT MAIN TIRE**

APPROACH.....NORMAL
 FLAPS.....30°
 TOUCHDOWN.....GOOD MAIN FIRST
 CONTROL PRESSURE.....HOLD OFF FLAT
 DIRECTIONAL CONTROL.....MAINTAIN

FLAT NOSE TIRE

APPROACH.....NORMAL
 FLAPS.....AS REQUIRED
 TOUCHDOWN.....ON MAINS
 CONTROL PRESSURE.....NOSE OFF GROUND
 AFTER NOSE WHEEL TOUCHDOWN.....
YOKE FULL AFT

FIRES

DURING ENGINE START

IGNITION.....CONTINUE TO CRANK

-IF ENGINE STARTS-

POWER.....1700 RPM
 ENGINE.....SHUTDOWN

- IF ENGINE FAILS TO START-

THROTTLE.....FULL OPEN
 MIXTURE.....IDLE CUTOFF
 STARTER.....CONTINUE CRANKING
 SHUTOFF VALVE.....OFF
 FUEL PUMP.....OFF

ENGINE.....SECURE
 MASTER SWITCH.....OFF
 IGNITION SWITCH.....OFF
 PARKING BRAKE.....RELEASE
 FIRE EXTINGUISHER.....OBTAIN
 AIRPLANE.....EVACUATE
 FIRE.....EXTINGUISH
 FIRE DAMAGE.....INSPECT
FIRE DURING START CHECKLIST....COMPLETE

ENGINE FIRE INFLIGHT

MIXTURE.....IDLE CUTOFF
 SHUTOFF VALVE.....OFF
 FUEL PUMP.....OFF
 MASTER SWITCH.....OFF
 CABIN HEAT & AIR.....CLOSED
 AIRSPEED.....100 KTS
 FORCED LANDING.....EXECUTE
FIRE INFLIGHT CHECKLIST.....COMPLETE

ELECTRICAL FIRE

MASTER SWITCH.....OFF
 VENTS/CABIN AIR/HEAT.....CLOSED
 FIRE EXTINGUISHER.....ACTIVATE
 AVIONICS MASTER.....OFF
 ALL SWITCHES.....OFF
 WINDOWS.....OPEN
 VENTS/CABIN AIR/HEAT.....OPEN

MASTER SW.....ON
 CIRCUIT BREAKERS.....CHECK
 RADIO SWITCHES.....OFF
 AVIONICS MASTER SWITCH.....ON
 RADIO/ELECTRICAL SWITCHES.....ON
ELECTRICAL FIRE CHECKLIST.....COMPLETE

CABIN FIRE

MASTER SWITCH.....OFF
 VENTS/CABIN AIR/HEAT.....CLOSED
 FIRE EXTINGUISHER.....ACTIVATE
 CABIN AIR.....VENTILATE
 NEAREST AIRPORT.....DIVERT
CABIN FIRE CHECKLIST.....COMPLETE

WING FIRE

LIGHT SWITCHES.....OFF
 PITOT HEAT SWITCH.....OFF
 FUEL SELECTOR.....OPPOSITE OF FIRE
 SLIP.....AS APPROPRIATE TO EXTINGUISH
WING FIRE CHECKLIST.....COMPLETE

ELECTRICAL SYSTEM MALFUNCTIONS**EXCESSIVE RATE OF CHARGE**

ALTERNATOR.....OFF
 NON-ESSENTIAL EQUIPMENT.....OFF
 BATTERY VOLTAGE.....MONITOR
 FLIGHT.....DISCONTINUE
EXCESSIVE CHARGE CHECKLIST.....COMPLETE

LOW VOLTAGE ANNUNCIATOR

AVIONICS MASTER.....OFF
 ALT FLD CIRCUIT BREAKER.....CHECK IN
 MASTER SWITCH.....OFF
 MASTER SWITCH.....ON
 LOW VOLTS ANNUNCIATOR.....CHECK
 AVIONICS MASTER.....ON

-IF LOW VOLTS ILLUMINATES AGAIN-

ALTERNATOR.....OFF
 NON-ESSENTIAL EQUIPMENT.....OFF
 BATTERY VOLTAGE.....MONITOR
 FLIGHT.....DISCONTINUE
LOW VOLTS CHECKLIST.....COMPLETE

VACUUM SYSTEM FAILURE

ENGINE RPM.....INCREASE
 ALTITUDE.....DESCEND
 VAC GAUGE.....MONITOR
 MALFUNCTION REPORT.....COMPLETE

PITOT STATIC FAILURE/BLOCKAGE

PITOT HEAT.....ON
 ALT STATIC.....ON
 AIRSPEED CALIBRATION TABLE.....CONSULT
 MALFUNCTION REPORT.....COMPLETE