



EMERGENCY CHECKLIST C172R

ENGINE FAILURE ON RUNWAY

THROTTLECLOSED
STOP..... STRAIGHT AHEAD

- IF INADEQUATE RUNWAY REMAINS -

BRAKING MAXIMUM
MIXTURE IDLE CUT-OFF
MASTER SWITCH..... OFF
MAGNETOS OFF
FUEL SHUTOFF VALVE OFF
STOP..... AFTER AVOIDING OBSTACLES

ENGINE FAILURE IN-FLIGHT

AIRSPEED *BEST GLIDE*
BEST FIELD..... *HEAD TOWARDS*
CHECKLIST *CONSIDER / EXECUTE*
DECLARE..... *EMERGENCY*

- IF LANDING IS IMMINENT -

ENGINE SECURE IN-FLIGHT CHECKLIST EXECUTE
(as required)

- IF ALTITUDE / SITUATION PERMITS -

ENGINE TROUBLESHOOT IN-FLIGHT Checklist EXECUTE

ENGINE TROUBLESHOOT IN-FLIGHT

FUEL PUMP **ON**
FUEL SELECTOR (feel for detent) **BOTH**
FUEL SHUTOFF VALVE **ON**
MIXTURE **FULL RICH**
THROTTLE..... **OPEN HALF WAY**
MAGNETOS (try EACH SINGLE mag) ... CYCLE L / R / BOTH

- IF ENGINE POWER NOT RESTORED -

ENGINE SECURE IN-FLIGHT Checklist..... EXECUTE

ENGINE SECURE IN-FLIGHT

FUEL SHUTOFF VALVE OFF
MIXTURE IDLE CUT-OFF
FUEL PUMP OFF
MAGNETOS OFF
FORCED LANDING / DITCHING CHECKLIST EXECUTE

FORCED LANDING

RADIO (ATC/121.5) TRANSMIT "MAYDAY"
TRANSPONDER..... 7700
ELT (if off airport) ACTIVATE
LOOSE ITEMS SECURE
SEATBELTS / HARNESSSES SECURE
FLAPS.....(as required) SET
MASTER SWITCH (on final approach) OFF

- WHEN LANDING IS ASSURED, PRIOR TO TOUCHDOWN-

DOORS UNLATCHED

ENGINE FIRE IN-FLIGHT

FUEL SHUTOFF VALVE.....OFF
MIXTURE IDLE CUT-OFF
FUEL PUMP.....OFF
MASTER SWITCHOFF
MAGNETOS.....OFF
CABIN HEAT and AIR (except overhead vents) CLOSED

EMERGENCY DESCENT (SOP) EXECUTE

ENGINE FIRE ON THE GROUND

- IF ENGINE HAS NOT STARTED -

STARTER ENGAGE/CONTINUE CRANKING
FUEL PUMP.....OFF
THROTTLE FULL OPEN
MIXTURE IDLE CUT-OFF
CRANKING CONTINUE
FUEL SHUTOFF VALVE (while holding the starter).....OFF

- IF ENGINE HAS STARTED -

THROTTLE FULL OPEN
MIXTURE IDLE CUT-OFF
FUEL SHUTOFF VALVE.....OFF

WING FIRE IN-FLIGHT

BEACON / LDG / TAXI / NAV / STROBESOFF
PITOT HEATOFF
SIDESLIP FLAMES AWAY FROM CABIN / FUEL TANK

CABIN ELECTRICAL FIRE or SMOKE IN-FLIGHT

MASTER SWITCH..... OFF
CABIN HEAT, AIR and OVERHEAD VENTS CLOSED
FIRE EXTINGUISHER.....(as required) ACTIVATE
ALL ELECTRICAL SWITCHES (as required) OFF
NEAREST AIRPORT DIVERT IMMEDIATELY

CABIN (when fire is out) VENTILATE

DITCHING

SWELL FACEAVOID

- DETERMINE APPROACH DIRECTION -

LIGHT WINDS..... PARALLEL TO SWELLS
HIGH WINDS INTO THE WIND

WING FLAPS DOWN with power / UP with no power
POWER (if available)..... MINIMUM RATE OF DESCENT (300 FPM)
AIRSPEED 55 KIAS with power / 65 KIAS with no power
DOORS UNLATCHED
TOUCHDOWN LEVEL ATTITUDE AT 300 FPM