

EMERGENCY CHECKLIST

PA-34-200

ENGINE FAILURE ON RUNWAY

BOTH THROTTLES CLOSED
STOP STRAIGHT AHEAD

- IF INADEQUATE RUNWAY REMAINS -

BRAKING MAXIMUM
MASTER SWITCH OFF
FUEL SELECTORS OFF
STOP AFTER AVOIDING OBSTACLES

MIXTURES IDLE CUT-OFF
MAGNETOS OFF
AIRCRAFT EVACUATE

ENGINE FAILURE AFTER ROTATION and IN-FLIGHT (no runway remaining)

CONTROL FLOW (SOP) *PERFORM*

- IF BELOW 1,000 AGL -

INOPERATIVE ENGINE FEATHER

- IF AT OR ABOVE 1,000 AGL -

ENGINE TROUBLESHOOT IN-FLIGHT Checklist EXECUTE
(situation permitting)

ENGINE TROUBLESHOOT IN-FLIGHT

FUEL SELECTOR (inop engine) CROSSFEED
ALTERNATE AIR (inop engine) OPEN
MIXTURE (inop engine) RICH
PROPELLER (inop engine) FULL FORWARD
THROTTLE (inop engine) OPEN HALF-WAY
FUEL PUMP (inop engine) ON
MAGNETOS (try single magneto) CYCLE LEFT/RIGHT then ON

- IF ENGINE POWER NOT RESTORED -

ENGINE SECURE IN-FLIGHT Checklist EXECUTE

ENGINE SECURE IN-FLIGHT

FUEL SELECTOR (inop engine) OFF
COWL FLAP (inop engine) CLOSED
ALTERNATE AIR (inop engine) OFF
MIXTURE (inop engine) IDLE CUT-OFF
PROPELLER (inop engine) FEATHER
MAGNETOS (inop engine) OFF
FUEL PUMP (inop engine) OFF
ALTERNATOR (inop engine) OFF

- ON THE OPERATING ENGINE -

FUEL SELECTOR (as required) ON / CROSSFEED
COWL FLAP ADJUST
MIXTURE (as required) ADJUST
ELECTRICAL LOAD MINIMIZE
FUEL PUMP (as required) ON / OFF

DUAL ENGINE FAILURE

WING FLAPS (as required) UP
LANDING GEAR (as required) UP
PROPELLERS (as required) FEATHER
COWL FLAPS CLOSED

- IF TIME PERMITS -

AIR RESTART / UNFEATHERING Checklist EXECUTE

- IF LANDING WITHOUT ENGINE POWER -

FORCED LANDING/DITCHING Checklist .. (as required) EXECUTE

FORCED LANDING

LANDING GEAR (if available) (as required) DOWN / UP
WING FLAPS (as required) DOWN / UP
ALTERNATOR SWITCHES (on final approach) OFF
MASTER SWITCH (on final approach) OFF

- WHEN LANDING IS ASSURED, PRIOR TO TOUCHDOWN -

FUEL SELECTORS OFF
MIXTURES IDLE CUT-OFF
MAGNETOS OFF

AIRCRAFT EVACUATE

ENGINE or WING FIRE IN-FLIGHT

FUEL SELECTOR (affected engine) OFF
THROTTLE (affected engine) CLOSED
PROPELLER (affected engine) FEATHER
MIXTURE (affected engine) IDLE CUT-OFF
COWL FLAP (affected engine)..... CLOSED
DEFROSTER OFF
HEATER..... OFF

MAGNETOS (affected engine) OFF
FUEL PUMP (affected engine) OFF
ALTERNATOR (affected engine) OFF

- ON THE REMAINING OPERATING ENGINE (after fire is out) -

FUEL SELECTOR..... (as required) ON / CROSSFEED
COWL FLAP..... ADJUST
MIXTURE (as required) ADJUST
ELECTRICAL LOAD MINIMIZE
FUEL PUMP (as required) ON / OFF

ENGINE FIRE ON THE GROUND

- IF ENGINE HAS NOT STARTED -

MIXTURES..... IDLE CUT-OFF
THROTTLE (affected engine) FULL OPEN
STARTER (affected engine)..... ENGAGE/CONTINUE CRANKING
FUEL SELECTORS (while holding the starter) OFF

- IF ENGINE HAS STARTED -

THROTTLE (affected engine) OPEN
MIXTURES..... IDLE CUT-OFF
FUEL SELECTORS OFF

AIRCRAFT EVACUATE

CABIN ELECTRICAL FIRE, SMOKE or BURNING SMELL IN-FLIGHT

MASTER SWITCH (if flames / smoke is visible) OFF
ALL ELECTRICAL SWITCHES(as required) OFF
SOURCE OF FIRE ATTEMPT TO ISOLATE
NEAREST AIRPORTDIVERT IMMEDIATELY

CABIN AIR CONTROLS(as required) OPEN
LAND..... AS SOON AS POSSIBLE

DITCHING

SWELL FACE**AVOID**
APPROACH DIRECTION.....(if possible) PARALLEL TO SWELLS
LANDING GEAR UP
WING FLAPS DOWN
POWER (if available) MINIMUM RATE OF DESCENT (300 FPM)
ATTITUDE..... DESCENT ATTITUDE THRU TOUCHDOWN
APPROACH AIRSPEED SLIGHTLY HIGHER THAN NORMAL
TOUCHDOWN MINIMUM AIRSPEED / DESCENT RATE