

EMERGENCY PROCEDURES CHECKLIST

PA-28-181 Archer III

Engine Fire During Start

Starter – crank engine
Mixture – idle cut-off
Throttle – full open
Electric Fuel Pump – OFF
Fuel Selector – OFF

Engine Power Loss: Takeoff

Pitch for a safe airspeed
Electric Fuel Pump – ON
Fuel Selector – switch tanks
Magnetos – cycle
Mixture – full rich
Carburetor Heat – ON
If no restart, follow POWER-OFF LANDING procedure

Engine Power Loss: In-Flight

Airspeed: 76 KTS, Best Glide airspeed

Best Site To Land

Checklist:

Electric Fuel Pump –ON
Fuel Selector – switch tanks
Magnetos – cycle
Mixture – full rich
Carburetor Heat – ON

Declare: Talk on 121.5; Squawk 7700; ELT -ON

Evacuate: Follow “POWER-OFF LANDING” Procedure

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Power-Off Landing

Approach Speed – 66 KTS, flaps as desired
Throttle – closed
Fuel Selector – OFF
Battery Master Switch – OFF
Alternator Switch – OFF
Magnetos – OFF
Mixture – idle cut-off
Seatbelts – secure
Door – secured open

Fire In Flight

(electrical fire)

Battery Master Switch – OFF
Alternator Switch – OFF
Cabin Vents – OPEN
Cabin Heat – OFF
Land as soon as possible

(engine fire)

Establish an Emergency Descent
Fuel Selector – OFF
Throttle – closed
Mixture – idle cut-off
Electric Fuel Pump – OFF
Cabin Heat – OFF
Defroster – OFF
Windows / Cabin Vents – OPEN
Follow “POWER-OFF LANDING” procedure

Loss Of Oil Pressure

Land as soon as possible

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Loss Of Fuel Pressure

Fuel Pump – ON
Fuel Selector – switch tanks

Electrical Failure

- 1.) ALT light illuminated:
Ammeter – check to verify inoperative alternator

- 2.) If ammeter shows zero:
Alternator Switch – OFF

- 3.) Reduce electrical loads to a minimum
Alternator circuit breaker – check and reset
Alternator Switch – ON

- 4.) If power is not restored:
Alternator Switch – OFF
Land as soon as possible

Electrical Overload

Alternator Switch – ON
Battery Master Switch – OFF

If alternator loads are reduced:
Electrical load – reduce to a minimum

If alternator loads are not reduced:
Alternator Switch – OFF
Battery Master Switch – as required
Land as soon as possible

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Spin Recovery

Throttle – idle
Ailerons – neutral
Rudder – full opposite direction of rotation
Control Wheel – full forward
Rudder – neutral when rotation stops
Control Wheel – as required to smoothly regain
level flight attitude

Open Door

Airspeed – slow to 87 KTS
Cabin Vents – closed
Window – open
If upper latch open – latch
If lower latch open – pull on arm rest and latch
If both latches open – latch lower, then upper

Carburetor Icing

Carburetor Heat – ON
Mixture – adjust for maximum engine smoothness

Engine Roughness

Carburetor Heat – ON
If roughness continues:
Carburetor Heat – OFF
Mixture – adjust for maximum smoothness
Electric Fuel Pump – ON
Fuel Selector – switch tanks
Magnetos – cycle
Engine Gauges – check