

EMERGENCY PROCEDURES

PA-28R-201 ARROW III

Engine Fire During Start

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

Engine Power Loss: Takeoff

Fuel Selector -- switch
Fuel Pump -- ON
Mixture -- RICH
Alternate Air -- ON
Emergency Gear Lever -- as required
If no restart, follow POWER-OFF LANDING procedure

Engine Power Loss: In-Flight

Landing Gear Auto-Extension Override - ENGAGED

Airspeed: 79 KIAS, Best Glide speed

Best Site

Checklist:

- Fuel Selector -- switch tanks
- Magnetos --cycle
- Mixture -- FULL RICH
- Fuel Pump -ON
- Alternate Air -- ON
- Engine Gauges -- check for cause of loss

If restart is unsuccessful:

Propeller -- FULL DECREASE RPM

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

Evacuate: follow POWER OFF LANDING procedure

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Power-Off Landing

Ignition -- OFF
Master Switch -- OFF
Fuel Selector -- OFF
Mixture -- idle cut-off
Seatbelts -- secure
Door -- secured open
Speed -- 75 KIAS for shortest landing, full flaps

Fire In Flight

(electrical fire)

Master Switch -- OFF
Air Vents -- OPEN
Cabin Heat -- OFF
Defroster -- OFF
Land as soon as possible

(engine fire)

Establish an Emergency Descent
Fuel Selector -- OFF
Throttle -- closed
Mixture -- idle cut-off
Fuel Pump -- OFF
Heater -- OFF
Defroster -- OFF
Windows / Air Vents -- OPEN
Follow POWER-OFF LANDING procedure

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Loss Of Fuel Pressure

Fuel Pump -- ON

Fuel Selector -- check to make sure on fullest tank

Alternator Failure

- 1.) ALT light illuminated:
Ammeter -- check to verify inoperative
- 2.) If ammeter shows zero:
ALT circuit breaker -- check
ALT switch – OFF (for 1 second), then ON
- 3.) If still no alternator output:
ALT switch -- OFF
Electrical Load – reduced
Land A.S.A.P. – battery is only source of power

Emergency Landing Gear Extension

Landing Gear -RECYCLE

Master Switch – ON

Circuit Breakers – check

Panel Lights – OFF (in daytime)

Gear Indicator Bulbs – check

Airspeed – slow to 87 KIAS or below

Landing Gear Selector – DOWN

Emergency Gear Lever – OVERRIDE ENGAGED
(while fishtailing airplane)

Emergency Gear Lever – EMERGENCY DOWN
(while fishtailing airplane)

EMERGENCY PROCEDURES

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Spin Recovery

Rudder -- full opposite direction of rotation

Control Wheel -- full forward

Ailerons -- neutral

Throttle -- idle

Rudder -- neutral when rotation stops

Flaps – UP

Control Wheel -- as required to smoothly regain
level flight attitude

Open Door

Airspeed -- slow to 87 KIAS

Air 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

Propeller Overspeed

Throttle – retard

Oil Pressure – Check

Prop control – full DECREASE RPM, then set if
any control is available

Airspeed – reduced

Throttle -as required to remain below 2700 RPM

Loss Of Oil Pressure / High Oil Temperature

Lands as soon as possible and investigate

Prepare for a power-off landing