

PA 34-200 Piper Seneca Emergency Procedures Checklist

Note: Heavy Boxes indicate Memory Items

ENGINE FAILURES

On Take Off

Adequate Runway Remaining

Throttles CLOSE
Brakes..... MAX

Inadequate Runway Remaining

Throttles CLOSE
Brakes MAX
Master OFF
FuelOFF

Turn to avoid obstacles

After Lift Off (Below 100 mph)

Adequate Runway Remaining

Throttles CLOSE
LandSTRAIGHT AHEAD
Brakes MAX

Inadequate Runway Remaining or
Below 1000 AGL

Control..... Above 90 mph
Pitch for Blue Line 105 mph
Power MIX, PROP, THROTTLE
Drag FLAPS/GEAR UP
Verify Inop Engine Retard Throttle
Prop Inop Engine FEATHER
Mixture Inop Engine ICO
Call For Checklist

After Positive Control Established

Trim 5° to Good Engine
Fuel Pump Inop Engine OFF
Magnetos Inop Engine OFF
Cowl Flap Inop Engine CLOSED
ALT Inop Engine OFF
Electrical Load REDUCE
Fuel Selector Inop Engine OFF

Engine Failure - Cruise

(Above 1000 AGL)

ControlAbove 90 mph
Pitch for Blue Line105 mph
Mixture ControlsForward
Propeller Controls.....Forward
Throttle Controls.....Forward
Flaps.....UP
Gear.....UP
Fuel Pumps.....ON
IdentifyInoperative Engine
Verify Inop Engine Close Throttle
CAUSE CHECK

Mixture.....As Required
Fuel Boost Pumps.....ON
Fuel SelectorCROSSFEED
MagnetosCYCLE ON
Alternate AirON
StarterAttempt Restart
No Restart

Inop Engine PropellerFeather
Inop Engine Mixture.....ICO
Call For Checklist

After Positive Control Established

Power - Good Engine.....As Req'd
Trim..... 5° to Good Engine
Fuel Pump Inop EngineOFF
Magnetos Inop Engine.....OFF
Cowl Flap Inop Engine..... CLOSED
ALT Inop Engine.....CLOSED
Electrical Load.....REDUCE
Fuel Selector Inop Engine.....OFF
Fuel Selector (Live Engine).....X-FEED
if Needed

Advise ATC, Land ASAP

Maximum 25° Flaps on Approach
With Single Engine

Engine Fire - On Ground

Engine NOT Started

Mixtures..... ICO
Throttles..... Full Forward
Starter..... Engage

Engine Started

Continue Operating to suck fire into engine. If Fire Continues:

Parking Brake..... APPLY
Fuel Selectors..... OFF
Mixtures..... ICO
Master and Alternators..... OFF
Evacuate, Extinguish Fire

Engine Fire - In Flight

Affected Engine

Fuel Selector.....OFF
Throttle.....CLOSE
Propeller.....Feather
Mixture.....ICO
Cowl Flap.....OPEN

Call For Checklist

Power - Good Engine.....As Req'd
Trim.....3-5° to Good Engine
Fuel Pump Inop Engine.....OFF
Magnetos Inop Engine.....OFF
Cowl Flap Inop Engine.....Closed
ALT Inop Engine.....OFF
Electrical Load.....Reduce
Fuel Selector Inop Engine.....OFF
Fuel Selector (Live Engine).....X-FEED
If Needed

Advise ATC, Land ASAP

Emergency Descent

Mixtures.....Full Forward
Propellers.....Full Forward
Throttles.....IDLE
Airspeed.....150 mph

Do NOT Retract Landing Gear
Above 125 mph

Propeller Overspeed

Throttle on affected engine..... CLOSE
Speed..... Slow to (Vy) 105 mph
Prop Lever..... Set to Low rpm
ThrottleSlowly increase until prop
Governor is engaged

Continue Flight at reduced Speed and Power
Land ASAP

Electrical Fire or Smoke

Master/Alternators.....OFF
Air Vents.....CLOSED
Fire Source.....Attempt to Isolate
Fire Extinguisher.....USE

If fire persists

Emergency Descent.....EXECUTE
Land.....ASAP

If fire extinguished

Cabin.....Ventilate
Master/Alternators.....ON
Essential Electrics.....ON
Land.....ASAP

Engine Restart in Flight

Fuel Selector..... ON
Fuel Pump..... OFF
Throttle..... Forward ¼
Propeller.....Cruise rpm Position
Mixture..... RICH
Magneto..... ON
Starter.....Engage
Until Windmilling

Throttle At Reduced Power Until
Engine Warm

If no start, prime with electric fuel
Pump for 3 seconds and repeat
Last 2 steps