

Piper Cherokee 180 - Emergency Procedures

Created by FlightChecklists.com

Engine Failure During Takeoff

If sufficient runway remains:

Land STRAIGHT AHEAD

Insufficient runway remains

Airspeed 85 MPH

Control SHALLOW TURN IF NECESSARY

Flaps AS REQUIRED

Power Off Landing EXECUTE

Engine Failure in Flight

Fuel Selector SWITCH

(to a tank containing fuel)

Fuel Pump ON

Mixture RICH

Carb Heat ON

Engine Gauges CHECK

(for indication of cause of power loss)

Primer CHECK LOCKED

If power is restored

Carb Heat OFF

Fuel Pump OFF

If power not restored

Power Off Landing EXECUTE

Power Off Landing

When committed to landing:

Ignition OFF

Master OFF

Fuel Selector OFF

Mixture IDLE CUT-OFF

Seat Belts SECURE

Electrical Fire

Master OFF

Vents OPEN

Cabin Heat OFF

Land ASAP

Engine Fire in Flight

Fuel Selector OFF

Throttle CLOSED

Mixture IDLE CUT-OFF

Heater OFF

Defroster OFF

If terrain permits:

Land IMMEDIATELY

Engine Fire During Start

If engine has not started:

Mixture IDLE CUT-OFF

Throttle OPEN

Starter ENGAGE

(to pull flames into engine)

If engine is running:

Run engine for a few minutes then shut down and inspect for damage.

If fire continues (few seconds):

Fuel Selector OFF

Mixture IDLE CUT-OFF

Fire EXTINGUISH

Loss of Oil Pressure

Oil Temperature CHECK

If temp is normal:

Land AS SOON AS PRACTICAL

If temp is rising / overheating:

Engine Failure PREPARE

Loss of Fuel Pressure

Fuel Pump ON

Fuel Pressure CHECK ON FULL TANK

High Oil Temperature

Oil Pressure CHECK

If pressure is low:

Engine Failure PREPARE

If pressure normal:

Land AT NEAREST AIRPORT

Alternator Failure

Ammeter CONFIRM ZERO

(check by turning on landing light)

If no change:

Electrical Load REDUCE

Alternator Circuit Breakers CHECK

ALT Switch OFF (wait 1 second)

ALT Switch ON

If ALT still failed:

Min Electrical Load MAINTAIN

Land AS SOON AS PRACTICAL

Engine Roughness

Carb Heat	ON
<i>(to clear potential carb ice)</i>	
If no change:	
Carb Heat	COLD
Mixture	ADJUST
<i>(too lean/rich can cause roughness)</i>	
Fuel Pump	ON
Fuel Selector	SWITCH TANKS
<i>(to see if contamination was the problem)</i>	
Engine Gauges	CHECK
Magnetos	CHECK L/R/BOTH
If roughness persists:	
Precautionary Landing	AT PIC DISCRETION

Spin Recovery

Intentional spins prohibited	
If spin is inadvertently entered:	
Throttle	IDLE
Rudder	FULL OPPOSITE TO ROTATION
Control Wheel	FULL FORWARD
When rotation stops:	
Rudder	NEUTRAL
Control Wheel	REGAIN LEVEL ATTITUDE
<i>(smoothly)</i>	

Open Door

Flight Characteristics	NOT AFFECTED
To close door	
Airspeed	100 MPH
Cabin Vents	CLOSE
Storm Window	OPEN
If upper latch open:	
Upper Latch	CLOSE
If lower latch open:	
Upper Latch	OPEN
Door	PUSH OPEN THEN CLOSE RAPIDLY
Upper Latch	CLOSE
(A slip in the direction of the open door will assist in latching procedure)	