



# Piper Seminole - Emergency Procedures Checklist

Created by FlightChecklists.com

Engine Fire at Startup	
Mixture .....	ICO
Throttle .....	OPEN
Starter .....	Continue Cranking
<b>If Engine Starts</b>	
Starter .....	Continue Cranking (to pull flames into engine)
<b>If Engine Doesn't Start</b>	
Fuel Selectors .....	OFF
Mixtures .....	ICO
Crew/Pax .....	Exit
Fire Extinguisher .....	DISCHARGE

Engine Fire in Flight	
Fuel Selector .....	OFF
Throttle .....	CLOSE
Propeller .....	FEATHER
Mixture .....	ICO
Cowl Flap .....	OPEN
Forced Landing (if req'd) .....	ASAP

Cabin Fire	
Master .....	OFF
Vents/Heater .....	OFF
Fire Extinguisher .....	DISCHARGE
Cabin (once fire out) .....	VENTILATE
Land .....	ASAP

Wing Fire	
Master .....	OFF
Lights/Electrics .....	OFF
Pitot Heat .....	OFF
Master .....	ON
Forced Landing (if req'd) .....	ASAP

Electrical Fire	
Master .....	OFF
Electrics .....	OFF
Fire Extinguisher .....	IF NEEDED
Master .....	ON
Required Electrics .....	ON

Engine Failure on T/O < 75 KIAS	
Throttles .....	CLOSED
Brakes .....	MAX BRAKING
<b>If runoff unavoidable</b>	
Master .....	OFF
Fuel Selectors .....	OFF

Engine Fail on T/O >75KIAS Sufficient Runway	
Throttles .....	CLOSED
Airspeed .....	75KIAS
Flaps .....	FULL
Land .....	STRAIGHT AHEAD
Brakes .....	MAX BRAKING

Engine Fail on T/O >75KIAS Insufficient Runway	
Heading .....	MAINTAIN
Pitch .....	CLIMB ATTITUDE
Flaps .....	UP
Gear .....	UP
Airspeed .....	88KIAS
INOP Engine .....	IDENTIFY/VERIFY
INOP Engine .....	FEATHER

Engine Out Overshoot (AVOID)	
Mixture .....	FORWARD
Propellers .....	FORWARD
Throttle .....	OPEN SLOWLY
Flaps .....	UP
Gear .....	UP
Airspeed .....	88KIAS
Trim .....	AS REQUIRED
Cowl Flaps .....	AS REQUIRED

Intentional Engine Shutdown	
Throttle (inop engine) .....	IDLE
Throttle (operative) .....	25"
Fuel Selector .....	OFF
Cowl Flap .....	CLOSED
Mixture .....	ICO
Propeller .....	FEATHER
Magnetos .....	OFF
Fuel Pump .....	OFF
Alternator .....	OFF
Electrical Load .....	<60A

Air Restart	
Fuel Selector .....	ON
Fuel Pump .....	ON
Propeller .....	CRUISE POSITION
Mixture .....	RICH
Throttle .....	TWO STROKES - 1/4"
Magnetos .....	ON
Starter .....	PROP WINDMILLING
Throttle .....	REDUCE TO WARM
Alternator .....	ON

Engine Fail in Cruise Flight	
Heading/Altitude .....	MAINTAIN
Mixtures/Props/Throttles .....	FULL
Flaps/Gear .....	UP
INOP Engine .....	IDENTIFY/VERIFY
<b>Troubleshoot</b>	
Fuel Selectors .....	ON
Primers .....	LOCKED
Carb Heats .....	ON
Magnetos .....	ON/Cycle
Fuel Pump .....	ON
<b>If engine does not restart</b>	
Propeller .....	FEATHER (>950RPM)
<b>Secure the dead engine</b>	
Fuel Selector .....	OFF
Cowl Flap .....	CLOSED
Mixture .....	ICO
Magnetos .....	OFF
Fuel Pump .....	OFF
Alternator .....	OFF
<b>Protect the good engine</b>	
Fuel Selector .....	CONSIDER X-FEED
Cowl Flap .....	AS REQUIRED
Carb Heat .....	OFF
Throttle .....	REDUCE
Propeller .....	<2700RPM
Fuel Pump .....	OFF
Electrical Load .....	REDUCE <60A

Engine Out Landing	
Inop Prop .....	FEATHERED
<b>When landing is assured</b>	
Landing Gear .....	DOWN
Flaps .....	MAX 25
Airspeed .....	MAX 90KIAS

Loss of Oil Pressure	
Oil Temperature .....	CHECK
Temp High .....	SHUTDOWN ENGINE
Temp Stable .....	LAND ASAP

Partial Power Loss / Rough Engine / Overheat	
Mixture .....	RICH
Fuel Pumps .....	ON
Carb Heats .....	ON
Cowl Flaps .....	AS NEEDED

Propeller Overspeed	
Throttles .....	CLOSED
Oil Pressure .....	CHECK
Prop .....	DECREASE (NOT FEATHER)
Airspeed .....	REDUCE
Throttle .....	<2700RPM

Fuel Starvation	
If leaking .....	X-FEED
(Use it before you lose it)	
If empty .....	X-FEED
(Note reduced range)	
Land .....	ASAP

Boost Pump Failure	
Master .....	ON
Circuit Breaker .....	CHECK
Boost Pump .....	CYCLE

Cross-Feed	
Fuel Selector (eng. to be fed) ...	X-FEED
Fuel Selector (donor tank) .....	AS REQ'D
Fuel Pumps .....	NOT REQUIRED

Elec. Fail - One Ammeter 0 Amp	
Alternator Switch .....	OFF
Circuit Breakers .....	CHECK
Alt Switch .....	ON
<b>If power not restored</b>	
Alternator Switch .....	OFF
Electrical Load .....	<60A

Elec. Fail - Two Ammeters 0 Amp	
Alternator Switches .....	OFF
Electrical Load .....	REDUCE
Circuit Breakers .....	CHECK
ALT. Switches .....	ON INDIVIDUALLY
<b>If power is restored on one</b>	
Other Switch .....	OFF
Electrical Load .....	<60A
<b>If power is NOT restored</b>	
Battery Switch .....	OFF
ALT. Switches .....	ON INDIVIDUALLY
<b>If power is restored on one or both</b>	
Electrical Load .....	<60A
If power is not restored, proceed VFR to nearest aerodrome. If in IMC ration remaining battery power for an approach and obtain a clearance	

Electrical Overload	
Alternator Switches .....	OFF
Battery Switch .....	OFF
<b>If ALT loads are reduced</b>	
Electrical Load .....	<60A
<b>If ALT loads are NOT reduced</b>	
Alternator Switches .....	OFF
Battery Switch .....	AS REQUIRED
Electrical Load .....	REDUCE

Emergency Descent	
Throttles .....	CLOSED
Propellers .....	FORWARD
Mixtures .....	AS REQUIRED
Airspeed .....	<140KIAS
Gear .....	DOWN

Manual Gear Extension	
Airspeed .....	<100KIAS
Circuit Breakers .....	CHECK
Master .....	ON
Alternators .....	ON
Nav Lights (Daytime) .....	OFF
Gear Selector .....	DOWN
Emergency Extension .....	PULL
Gear Lights .....	3 GREEN

Wheels Up Landing	
Approach Speed .....	NORMAL
Flaps .....	UP
<b>Immediately before touchdown</b>	
Throttles .....	CLOSE
Master .....	OFF
Magnetos .....	OFF
Fuel Selectors .....	OFF
Touchdown .....	LOW AIRSPEED

Brake Failure or Seizure	
Flaps .....	FULL
Yoke .....	FULL AFT
Mixtures .....	ICO
Obstacles .....	AVOID

Flap Failure	
Approach .....	AS NORMAL
(Vs=54KIAS, Vso=56KIAS)	
Brake .....	AS REQUIRED

Vacuum Pump Failure	
<b>Suction below 4.5 inHG</b>	
RPM .....	INCREASE TO 2700RPM
Altitude .....	DESCEND

Heater Overheat	
If overheat light illuminates, fuel, air, and ignition to the heater have been cut off automatically. DO NOTHING.	

Door Open in Flight	
<b>Aircraft Flies Normally</b>	
Airspeed .....	<82KIAS
Cabin Vents .....	CLOSED
Storm Window .....	OPEN
Latches .....	SIDE THEN TOP

Emergency Exit	
Plastic Cover .....	REMOVE
Red Handle .....	PULL FORWARD
Window .....	PUSH BOTTOM

Critical Airspeeds	
Vy —	82 KIAS
Vx —	82 KIAS
Va —	135 KIAS
Vfe —	111 KIAS
Vmc —	56 KIAS
Vsse —	82 KIAS
Vyse —	88 KIAS
Vxse —	82 KIAS
Vne —	202 KIAS
Max Demo'd Xwind —	17 KTS

Transponder Codes	
7700 —	General Emergency
7600 —	Communications Failure
7500 —	Unlawful Interference

Emergency Assistance	
<b>Emergency Frequency — 121.5</b>	
Ottawa Terminal —	127.7
Montreal Terminal —	134.15
Montreal Centre —	134.97
Flight Service —	1-866-WX-BRIEF
Fire/Ambulance/Police —	911