

PA-34-200 Seneca I Emergency Checklist

Engine Failure (feathering) and Unfeathering Engine Fire

Fuel Management Single Engine Operation

- Emergency checklist should only be used with crossreference to Piper PA-34-200 Seneca I POH.
- The procedures are general and to be used only with pilot's discretion.
- Memory items are in **BOLD CAPITALS**

Engine Failure	
<i>Notes:</i>	
- If circumstances permit, the pilot may elect to attempt to restore power prior to feathering.	
- The propellers can be feathered only while engine is rotating above 800 RPM.	
Power restore procedure:	
1, MIXTURE	As required
2, ELECTRIC FUEL PUMPS	On
3, FUEL SELECTOR	Crossfeed
4, MAGNETOS	Select L or R only
5, ALTERNATE AIR	On
Feathering procedure:	
1, AIRSPEED	Maintain minimum 90 Mph(79Kias)
2, DIRECTIONAL CONTROL	Maintain
3, MIXTURE	Forward
4, PROPELLERS	Forward
5, THROTTLES	Forward
6, FLAPS	Retract
7, GEAR	Retract
8, ELECTRIC FUEL PUMPS	On
9, INOPERATIVE ENGINE	Identify
10, THROTTLE INOP. ENGINE	Retard to verify
11, PROPELLER INOP. ENGINE	Feather
12, MIXTURE INOP. ENGINE	Idle cut off
13, TRIM	As required
14, 5° BANK TOWARD OP. ENGINE	Maintain
15, Electric fuel pump inop. engine	Off
16, Magnetos inop. engine	Off
17, Cowl flaps inop. engine	Close
18, Alternator inop. engine	Off
19, Electrical load	Reduce
20, Fuel	Consider crossfeed
21, Electric fuel pump op. engine	Off

Unfeathering procedure	
1, Fuel selector inop. engine	On
2, Electric fuel pump inop. engine	Off
3, Throttle	¼ inch Set
4, Propellers	Cruise position Set
5, Mixtures	Full forward
6, Magnetos	On
7, Starter inop. engine	Turn till prop windmills
8, Throttle	Reduce until engine is warm
If engine doesn't start:	
9, Electric fuel pump inop. engine	On for 3 sec.
10, Steps 7, 8, 9	Repeat
If engine started successfully:	
11, Alternators	On

Engine fire inflight	
1, FUEL SELECTORS	Off
2, THROTTLE	Affected side Close
3, PROPELLER	Affected side Feather
4, MIXTURE	Affected side Idle cut off
5, HEATER	Off
6, DEFROSTER	Off
7, LAND IMMEDIATELY SUBJECT TO TERRAIN	

Engine fire on ground	
(a) If engine has not started:	
1, MIXTURE	Affected side Idle cut off
2, THROTTLE	Affected side Open
3, STARTER	Affected side Turn
(b) If engine has started already:	
1, Continue operating the affected engine	
In either case stated in (a) and (b), if the fire continues longer than a few seconds, the fire should be extinguished by best available external means. If external fire extinguishing is in use:	
1, FUEL SELECTOR VALVES	Off
2, MIXTURES	Idle cut off

Crossfeed single engine operation	
<i>Notes:</i> - Use crossfeed in level flight only	
- No crossfeeding allowed for landing	
- Crossfeed procedure in the Simulator is different!	
Read this checklist carefully!	
When using fuel from the tank on the same side as the operating engine:	
1, Fuel selector operating engine	On
2, Fuel selector inop. engine	Off
3, Electric fuel pumps	Off
(Except in case of engine driven pump failure, electric fuel pump on operating engine side must be used)	
When using fuel from the tank on the side opposite the operating engine:	
AIRCRAFT:	
1, Fuel selector operating engine	Xfeed
2, Fuel selector inop. engine	Off
3, Electric fuel pumps	Off
SIMULATOR:	
1, Fuel tanks	BOTH On
2, Electric fuel pumps	BOTH On
3, Crossfeed	Operating engine side select
4, Non feeding tank	Electric fuel pump off
(Except in case of engine driven pump failure, electric fuel pump on operating engine side must be used)	