





3. EMERGENCY PROCEDURES # 1/2

3.2 Indicated Airspeeds for performing emergency procedures

Airspeed for the best gliding ratio (flaps retracted)

57 KIAS 66 mph 106 km/h

Precautionary landing (engine running, flaps in landing pos.50°)

52 KIAS 60 mph 96 km/h

Emergency landing (engine stopped, flaps in landing pos. 50°) 52 KIAS 60 mph 96 km/h

3.3 Engine failure

3.3.1 Engine failure at take-off run

THROTTLE lever

2 Brakes as necessary **FUEL SELECTOR** 3. OFF

Ignition OFF 5 Master switch OFF

3.3.2 Engine failure at take-off

Gliding speed with flaps in take-off position (15°): min. 52 KIAS / 60 mph / 96 km/h with flaps retracted (0°): min. 57 KIAS / 66 mph / 106 km/h

Altitude:

- Land in take-off direction if below 150 ft:

- Land in take-off direction or you can perform turn up to 90° if altitude is 150 - 400 ft:

- You can try start engine if altitude is above 250 ft

- You can perform turn up to 180° if altitude is above 400 ft:

3. THROTTLE lever idle 4. Flaps as needed **FUEL SELECTOR** 5. OFF 6. Ignition OFF ATC report 8. Master switch OFF

After touch down brake as needed

3.3.3 Engine failure in flight

57 KIAS / 66 mph / 106 km/h Gliding speed Altitude take a decision and carry out:

- Engine starting in flight - paragraph 3.4

- Emergency landing - paragraph 3.8.1

3.4 Engine starting at flight

NOTE

It is possible to start the engine by means of the starter within the whole range of operation speeds as well as flight altitudes. The engine started up immediately after switching the ignition to START position. If the engine is shut down, the altitude loss during engine starting can reach up to 1000 ft.

57 KIAS / 66 mph / 106 km/h Gliding speed Altitude 2. check

Master switch ON 3. Unnecessary electrical equipment switch off

FUEL SELECTOR 5. 6. Choke as needed

THROTTLE lever idle (choke opened) or increased idle (closed)

The propeller is rotating:

BOTH Ignition

3.3.4 Engine starting at flight (contin.)

The propeller is not rotating:

Ignition

10. If engine starting does not occur, increase gliding speed up to 108 KIAS (124 mph IAS) (see NOTE), so that air-flow turns the propeller and engine will start.

12. If engine starting is unsuccessful, then continue according to paragraph 3.8.1 Emergency landing.

3.5 Engine fire

3.5.1 Fire on the ground

1.	FUEL SELECTOR	OFF
2.	Brakes	brake
3.	THROTTLE lever	full
4.	HOT AIR knob (if installed)	push
5.	After the engine stops:	
6.	Ignition	OFF
7.	Master switch	OFF
8.	Airplane	leave
9.	Manual extinguisher (if available)	use

3.5.2 Fire during take-off

FUEL SELECTOR OFF 2 THROTTLE lever full

3. Airspeed 62 KIAS / 71 mph / 115 km/h

HOT AIR knob (if installed) push

After the engone stops:

Gliding speed 5. 52 KIAS / 60 mph / 96 km/h

6. Ignition OFF OFF 7. Master switch 8. Land Airplane leave

Manual extinguisher (if available) 10. use

3.5.3 Fire in flight

FUEL SELECTOR OFF 1 THROTTI F lever 2 full HOT AIR knob (if installed) 3 close

57 KIAS / 66 mph / 106 km/h 4. Gliding speed

5. Ignition **OFF**

ATC 6. report if possible

Master switch

NOTE

For extinguishing the engine fire, you can perform slip under assumption that you have sufficient altitude and time.

WARNING

After extinguishing the engine fire start engine only if it necessary to safe landing. Fuel leak in engine compartment could cause Fire and fire could restore again

If you start engine again, switch off all switches, switch on the Master switch, and then subsequently switch on only equipment necessary to safe landing.

Emergency landing carry out according to paragraph 3.8.1

Airplaine leave

11. Manual extinguisher (if available) use as needed







3. EMERGENCY PROCEDURES # 2/2

3.6 Fire in the cockpit (if manual extinguisher available aboard)

Fire source identify

Master switch in case that the source of fire is electrical equipment. OFF

3. Manual extinguisher use After fire extinguishing

aerate the cockpit Carry out safety landing according to 3.8.2

WARNING

Never again switch the defective system.

NOTE

If a defective electrical system circuit was detected as the fire source, then switch off appropriate circuit breaker and switch over Master switch to ON position.

3.7 Gliding flight

NOTE

Gliding flight can be used for example in case of engine failure.

Wing flaps position	Retracted (0°)	Take-off (15°)
Airspeed	57 KIAS	52 KIAS
·	66 mph	60 mph
	106 km/h	96 km/h

3.8 Emergency landing 3.8.1 Emergency landing - with nonoperating engine

VΡ	crating crigine	
1.	Airspeed	57 KIAS / 66 mph / 106 km/h
2.	Landing area	choose, determine
		wind direction
3.	Safety harness	tighten up
4.	Flaps	landing position (50°)
5.	Airspeed	48 KIAS / 55 mph / 89 km/h
6.	Radiostation	notify situation to ATC
		If possible
7.	FUEL SELECTOR	OFF
8.	Ignition	OFF
9.	Master switch	OFF before touch
		down

3.8.2 Safety landing - with engine operating

Area for landing choose, determine wind direction, carry out passage flight with speed of 59 KIAS/ 68 mph/ 109 km/h, flaps in take-off position (15°)

2 Radiostation notify situation to ATC

- if possible 3. Safety harness tighten up

landing position (50°) 48 KIAS / 55 mph / 89 km/h 4. Flaps Airspeed 5.

6. Landing carry out

3.8.3 Landing with burst tire

CAUTION

When landing at holding, keep the wheel with burst tire above the ground as long as possible by means of ailerons. In case of nose wheel by means of elevator

At running hold airplane direction by means of foot control and brakes

3.8.4 Landing with damaged landing gear

- In case of nose landing gear damage touch down at the lowest possible speed and try to keep the airplane on main landing gear wheels as long as possible
- In case of main landing gear damage touch down at he lowest possible speed and if possible keep direction at running

3.9 Unintentional spin recovery

The airplane has not, when using normal techniques of pilotage, tendency to go over to spin spontaneously.

Standard procedure of recovery from spin:

THROTTLE lever idle

Control stick ailerons - neutraL position 3. Pedals kick the rudder pedal

direction Control stick push forward and hold

it there until rotation stops Pedals immediately after rotation stopping, set the rudder to neutral

position

against spin rotation

recover the diving Control stick

CAUTION

Altitude loss per one turn and recovering from the spin is 500

3.10 Other emergency procedures 3.10.1 Vibration

- If abnormal vibrations occur on the airplane then:
- Set engine RPM to the mode in which the vibrations are
- Land on the nearest possible airport, possibly perform safety landing according to par. 3.8.2. Safety landing.

3.10.2 Carburettor icing

Carburettor icing happens when air temperature drop in the carburettor occurs due to its acceleration in the carburettor and further cooling by evaporating fuel. Carburettor icing mostly happens during descending and aproaching for landing (low engine RPM). Carburettor icing shows itself by engine power temperature decreasing and by engine Recommended procedure for engine power regeneration is as

CARBURETTOR PREHEATER 2.

ON (if installed) THROTTLE lever set idle and cruising power again

NOTE

Ice coating in the carburettor should be removed by decrease and reincrease of engine power.

If the engine power is not successfully increased, then carry out landing at the nearest suitable airport or, if it is not possible, carry out precautionary landing according to par. 3.8.2 Precautionary landing.