Engine Malfunction During Takeoff (with sufficient runway ahead)

Thrust lever	IDLE
Brakes	APPLY
Flaps (if extended)	RETRACT
Engine master	OFF
Alternator, battery master	OFF
Fuel shutoff valve	CLOSED

Engine Malfunction Immediately After Takeoff

Airspeed	Flaps retracted: 65 KIAS Flaps extended: 60 KIAS
Fuel shutoff valve	CLOSED
Engine master	OFF
Flaps	AS REQUIRED (30° recommended)
Alternator, battery master	OFF

Engine Malfunction During Flight

Fuel shutoff valve	OPEN (push full in)
Fuel selector	BOTH
Electric fuel pump	ON
Land ASAP.	

Restart After Engine Failure

Note: If the propeller stops at an airspeed ≥ 65 KIAS, the reason for stoppage should be discovered before attempting a restart.

Airspeed	65-85 KIAS (max 100 KIAS)
Altitude	BELOW 13,000 FT
Fuel shutoff valve	OPEN (push full in)
Fuel selector	BOTH
Electric fuel pump	ON
Thrust lever	IDLE
Engine master	OFF THEN ON

If propeller does not turn, then starter ON

Thrust lever	FULL

Check engine parameters, power

FADEC Malfunction in Flight: One FADEC Light is Flashing

FADEC test knob	PRESS ≥ 2 seconds

If FADEC light extinguished (LOW warning):

- Continue normal flight

If FADEC light illuminated steady (HIGH warning):

- Monitor the other FADEC light
- Land ASAP
- Select airspeed to avoid engine overspeed

FADEC Malfunction in Flight: Both FADEC Lights are Flashing

CED load display	CONSIDER UNRELIABLE
FADEC test knob	PRESS ≥ 2 seconds

If FADEC lights extinguished (LOW warning):

- Continue normal flight

If FADEC lights illuminated steady (HIGH warning):

- Check the available engine power
- Expect engine failure
- Select airspeed to avoid engine overspeed
- Land ASAP

In case a fuel tank was flown empty:

Fuel selector	BOTH
Electric fuel pump	ON

- Check the available engine power, thrust lever response
- Land ASAP

Abnormal Engine Behavior

If the engine acts abnormal during flight and the system does not automatically switch to the B-FADEC, it is possible to switch to the B-FADEC manually.

Select an appropriate airspeed to avoid engine overspeed

Force-B switch	ON

Be prepared for an emergency landing

Land ASAP

Emergency Checklists

Engine Fire When Starting Engine on Ground

Engine master	OFF
Fuel shutoff valve	CLOSED
Electric fuel pump	OFF
Battery master	OFF
Fire extinguisher	USE

Engine Fire During Takeoff (on Ground)

Engine master	OFF
Fuel shutoff valve	CLOSED
Electric fuel pump	OFF
Battery master	OFF
Fire extinguisher	USE

Engine Fire in Flight

Engine master	OFF
Fuel shutoff valve	CLOSED
Electric fuel pump	OFF
Battery master	OFF
Cabin heat and air	OFF
Airspeed	65 KIAS
Emergency Landing With Engine Out procedure	RUN

Electrical Fire In Flight

Avionics master	OFF
Cabin heat and air, vents	OFF
Fire extinguisher	USE
All electrical switches except alternator, battery master, and engine master	OFF

If fire continues:

Battery master, alternator	OFF
Cabin heat and air, vents	ON

Check circuit breakers, do not reset open breakers

If fire extinguished:

Avionics master	ON

- Turn on electrical equipment required to continue flight and land ASAP. Switch breakers ON one at a time, with delay after each.

Engine Shut Down In Flight

Airspeed	SELECT TO AVOID ENGINE OVERSPEED (65 KIAS RECOMMENDED)
Engine master	OFF
Fuel shutoff valve	CLOSED
Electric fuel pump	OFF
To stop propeller (if needed):	
Airspeed	< 55 KIAS
When propeller stopped	65 KIAS

Emergency Landing With Engine Out

Airspeed	Flaps up: 65 KIAS Flaps down: 60 KIAS
Fuel shutoff valve	CLOSED
Engine master	OFF
Flaps	AS REQUIRED (RECOMMEND FULL)
Alternator, battery master	OFF
Doors	UNLOCK
Touchdown	SLIGHTLY NOSE UP
Brake	FIRMLY