

Immediate Action Items (**BOLDFACE**) – Cessna 172

ENGINE FAILURES

ENGINE FAILURE DURING TAKEOFF ROLL

1. **Throttle – IDLE**
2. **Brakes – APPLY**

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

1. **Airspeed – 70 kias (flaps UP). 65 kias (flaps DOWN).**

ENGINE FAILURE DURING FLIGHT

1. **Maximum Glide Airspeed – 65 kias**
2. **Landing Site – CHOOSE**

RESTART PROCEDURES

1. **Airspeed – 75 kias**
2. **Carburetor Heat – ON**
3. **Fuel Selector Valve – BOTH**

FIRES

DURING START ON GROUND

1. **Cranking – CONTINUE**

If engine fails to start:

4. **Throttle – FULL OPEN**
5. **Mixture – IDLE CUT-OFF**
6. **Cranking – CONTINUE**

ENGINE FIRE IN FLIGHT

1. **Mixture – IDLE CUT-OFF**
2. **Fuel Selector Valve – PUSH DOWN AND ROTATE TO OFF**
3. **Master Switch – OFF**
4. **Cabin Heat and Air – OFF**
5. **Airspeed – 100 kias**

ELECTRICAL FIRE IN FLIGHT

- 1. Master Switch – OFF**
- 2. Vents/Cabin Air/Heat – CLOSED**
- 3. Fire Extinguisher – ACTIVATE**

CABIN FIRE

- 1. Master Switch – OFF**
- 2. Vents/Cabin Air/Heat – CLOSED**
- 3. Fire Extinguisher – ACTIVATE**

WING FIRE

- 1. Landing/Taxi Light Switches – OFF**
- 2. Pitot Heat Switch – OFF**
- 3. Nav Light Switch – OFF**
- 4. Strobe Light Switch – OFF**

ICING

INADVERTENT ICING ENCOUNTER

- 1. Pitot Heat Switch – ON**
- 2. Turn back or change altitude.**
- 3. Pull cabin heat control full out and open defroster outlets.**

AIRSPEEDS FOR EMERGENCY OPERATION

Engine Failure After Takeoff:

Wing Flaps Up	70 kias
Wing Flaps Down	65 kias
Maneuvering Speed:	
2550 lbs	105 kias
2000 lbs	95 kias
1600 lbs	85 kias
Maximum Glide	65 kias
Precautionary Landing With Engine Power	65 kias
Landing Without Engine Power:	
Wing Flaps Up	70 kias
Wing Flaps Down	65 kias