1. Engine Failure During Takeoff Roll
   ✓ Throttle - Idle
   ✓ Brakes - Apply

2. Engine Failure Immediately After Takeoff
   ✓ Airspeed - 65 KIAS (flaps up)
   ± 60 KIAS (flaps down)

3. Engine Failure: In Flight (Restart Procedure)
   ✓ Airspeed - 65 KIAS
   ✓ Carburetor Heat - On
   ✓ Fuel Selector Valve - Both
   ✓ Mixture - Rich
   ✓ Power - In Half Way
   ✓ Primer - In & Locked
   ✓ Master Switch - On
   ✓ Ignition Switch - Both
     • If propeller is spinning engine should start up
     • If propeller has stopped you must try to start the engine using the key

4. Engine Fire: During Start On Ground
   ✓ Cranking - Continue
   ✓ If engine starts:
     • Power - 1700 RPM for two minutes
     • Engine - Shutdown
   ✓ If engine fails to start
     • Throttle - Full Open
     • Mixture - Idle Cut Off
     • Cranking - Continue

5. Engine Fire: In Flight
   ✓ Mixture - Idle Cut Off
   ✓ Fuel Selector Valve - Off
   ✓ Master Switch - Off

6. Electrical Fire: In Flight
   ✓ Master Switch - Off
   ✓ Avionics Power Switch - Off
   ✓ Vents, Cabin Air / Heat - Closed
   ✓ Fire Extinguisher - Activate

7. Cabin Fire
   ✓ Master Switch - Off
   ✓ Vent / Cabin Air / Heat - Off
   ✓ Fire Extinguisher - Off

8. Wing Fire
   ✓ Navigation Light Switch - Off
   ✓ Strobe light Switch - Off
   ✓ Pitot Heat Switch - Off

9. Go Around
   ✓ Throttle - Full Open
   ✓ Carburetor Heat - Cold
   ✓ Wing Flaps - Retract to 20 Degrees
   ✓ Climb Speed - 55 KIAS
   ✓ Wing Flaps - 10 Degrees (Until obstacles are cleared)
   ✓ Wing Flaps - Up (After reaching a safe altitude and 60 KIAS)
1. Engine Failure During Takeoff Roll
   ✓ Throttle - ...
   ✓ Brakes - ...

2. Engine Failure Immediately After Takeoff
   ✓ Airspeed - ... (flaps up)
     ... (flaps down)

3. Engine Failure: In Flight (restart procedure)
   ✓ Airspeed - ...
   ✓ Carburetor Heat - ...
   ✓ Fuel Selector Valve - ...
   ✓ Mixture - ...
   ✓ Power - ...
   ✓ Primer - ...
   ✓ Master Switch - ...
   ✓ Ignition Switch - ...
     • If propeller is spinning engine should start up
     • If propeller has stopped you must try to start the engine using the key

4. Engine Fire: During Start On Ground
   ✓ Cranking - ...
   ✓ If engine starts:
     • Power - ...
     • Engine - ...
   ✓ If engine fails to start
     • Throttle - ...
     • Mixture - ...
     • Cranking - ...

5. Engine Fire: In Flight
   ✓ Mixture - ...
   ✓ Fuel Selector Valve - ...
   ✓ Master Switch - ...

6. Electrical Fire: In Flight
   ✓ Master Switch - ...
   ✓ Avionics Power Switch - ...
   ✓ Vents, Cabin Air / Heat - ...
   ✓ Fire Extinguisher - ...

7. Cabin Fire
   ✓ Master Switch - ...
   ✓ Vent / Cabin Air / Heat - ...
   ✓ Fire Extinguisher - ...

8. Wing Fire
   ✓ Navigation Light Switch - ...
   ✓ Strobe light Switch - ...
   ✓ Pitot Heat Switch - Off

9. Go Around
   ✓ Throttle - ...
   ✓ Carburetor Heat - ...
   ✓ Wing Flaps - ...
   ✓ Climb Speed - ...
   ✓ Wing Flaps - ...
   ✓ Wing Flaps - ...
1. Engine Failure During Takeoff Roll
   ✓ ...
   ✓ ...

2. Engine failure immediately after takeoff
   ✓ ...
   (flaps up)
   ✓ ...
   (flaps down)

3. Engine failure during flight (restart procedure)
   ✓ ...
   ✓ ...
   ✓ ...
   ✓ ...
   ✓ ...
   ✓ ...
   ✓ ...
   ✓ ...
   ✓ ...
   • If propeller is spinning: ...
   • If propeller has stopped: ...

4. Engine fire during start on ground
   ✓ ...
   ✓ If engine starts:
     • ...
     • ...
   ✓ If engine fails to start
     • ...
     • ...
     • ...

5. Engine Fire: In Flight
   ✓ ...
   ✓ ...
   ✓ ...

6. Electrical Fire: In Flight
   ✓ ...
   ✓ ...
   ✓ ...
   ✓ ...

7. Cabin Fire
   ✓ ...
   ✓ ...
   ✓ ...

8. Wing Fire
   ✓ ...
   ✓ ...
   ✓ ...

9. Go Around
   ✓ ...
   ✓ ...
   ✓ ...
   ✓ ...
   ✓ ...
   (Until obstacles are cleared)
   ✓ ...
   (After reaching a safe altitude and 60 KIAS)
1. Engine Failure During Takeoff Roll

2. Engine failure immediately after takeoff

3. Engine failure during flight (Restart Procedure)

4. Engine fire during start on ground

5. Engine Fire: In Flight

6. Electrical Fire: In Flight

7. Cabin Fire

8. Wing Fire

9. Go Around