

Memorization Items Cessna 172N/P

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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)

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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 - ...

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2. Engine failure immediately after takeoff

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