

Cessna 172 - PREFLIGHT

Preflight Inspection Cockpit

| | |
|---------------------------|--------|
| Aircraft + Pilot Docs | Check |
| Control wheel Lock | Remove |
| Ignition | OFF |
| Master Switch | ON |
| Fuel Quantity Indicators | Check |
| Beacon | Check |
| Landing Lights | Check |
| Master Switch | OFF |
| Fuel Shutoff Valve | ON |
| Fuel Tank Sump Left Wing | Sample |
| Fuel Tank Sump Right Wing | Sample |

Fuselage

| | |
|---------------|---------------|
| Surfaces | Control |
| Tank Caps | Secure |
| Elevator | Free + Secure |
| Tail Tie-Down | Disconnect |

Right Wing

| | |
|-----------------|---------------|
| Aileron | Free + Secure |
| Flaps | Secure |
| Wing Tie-Down | Disconnect |
| Main Wheel Tyre | Inflated |
| Brakes | Not Leaking |

Nose

| | |
|-------------------------|--------|
| Rivets/Screws | Check |
| Fuel Strainer | Sample |
| Engine Oil Level | Check |
| Propeller + Spinner | Check |
| Alternator Belt | Check |
| Air Intake | Check |
| Carburetor Air Ailter | Check |
| Nose Wheel Strut + Tyre | Check |
| Static Port | Check |

Left Wing

| | |
|------------------------|-----------------|
| Main Wheel Tyre | Inflated |
| Brakes | Not leaking |
| Wing Tie-Down | Disconnect |
| Pitot Tube | Uncover + Check |
| Stall Warning | Check |
| Fuel Tank Vent Opening | Check |
| Aileron | Free + Secure |
| Flaps | Secure |

Before Starting Engine

| | |
|----------------------|---------------|
| Preflight Inspection | Complete |
| Seats + Belts | Adjust + Lock |
| Fuel Shutoff Valve | ON |
| Radios + Elctr. | OFF |
| Brakes | Test + Set |
| Circuit Brakers | In |
| CellPhones | OFF |

Starting Engine

| | |
|----------------|------------------|
| Mixture | RICH (IN) |
| Carb Heat | COLD (IN) |
| Primer | As req. + Locked |
| Throttle | Open 7 mm |
| Propeller Area | CLEAR |
| Master Switch | ON |
| Beacon | ON |
| Ignition | START |
| Throttle | Adjust 900 rpm |
| Oil Pressure | Check Normal |
| Amps | Loading |
| Suction | Check Normal |
| Avionics | ON |
| XPDR | Standby |

Before Takeoff

| | |
|------------------------|----------------|
| Parking Brake | SET |
| Cabin Doors | CLOSE + LATCH |
| Flight Controls | Free + Correct |
| Instruments | SET |
| Fuel Shutoff Valve | ON |
| Mixture | RICH (IN) |
| Trim | SET |
| Throttle | 1700 rpm |
| Magnetos | Check |
| Suction | Check |
| Instruments | Check |
| AmpMeter | Check |
| Carb Heat | Check |
| Throttle | IDLE - Check |
| Radios | SET |
| Beacon/Lights | ON |
| Throttle Friction Lock | Adjust |
| Brakes | TEST |

Cessna 172 - EMERGENCY

Engine Failure

TAKEOFF

| | |
|---------------|--------------|
| Throttle | IDLE |
| Brakes | Apply |
| Flaps | UP |
| Mixture | IDLE Cut-Off |
| Ignition | OFF |
| Master Switch | OFF |

AFTER TAKEOFF

| | |
|--------------------|--------------|
| Airspeed | 65/70 KIAS |
| Mixture | IDLE Cut-Off |
| Fuel Shutoff Valve | OFF |
| Ignition | OFF |
| Flaps | As Required |
| Master Switch | OFF |

DURING FLIGHT

| | |
|--------------------|--------------------|
| Airspeed | 65/70 KIAS |
| Carb Heat | ON |
| Primer | IN + Locked |
| Fuel Shutoff Valve | ON |
| Mixture | RICH |
| Ignition | BOTH (or START) |
| Airspeed | 65/70 KIAS (Flaps) |
| Mixture | Cut-Off |
| Fuel Shutoff Valve | OFF |
| Ignition | OFF |
| Flaps | As Required |
| Mayday | Transmit 121.5 |
| Master Switch | OFF |
| Doors | Unlatch |
| Touchdown | Tail Low |

Carburetor Icing

| | |
|-----------|----------|
| Throttle | FULL |
| Carb Heat | ON (OUT) |
| Mixture | Adjust |

Engine Roughness

| | |
|----------|------------------|
| Magnetos | Check |
| Mixture | Lean as Required |

Engine Fire during Start

| | |
|--------|--------------------|
| Crank | Continue |
| Power | 1700 rpm |
| Engine | Shutdown + Inspect |

Engine Fire during Flight

| | |
|--------------------|--------------|
| Mixture | IDLE Cut-Off |
| Fuel Shutoff Valve | OFF |
| Master Switch | OFF |
| Cabin Air | OFF |
| Airspeed | 90 KIAS |

Electrical Failure

| | |
|------------------------|--------------|
| AmpMeter | Verify |
| Alternator | OFF |
| Reduce Load to Minimum | |
| Breaker/Alt | Chek + Reset |
| Alternator | ON |
| IF STILL NO POWER: | |
| Alternator | OFF |
| Reduce Load and Land | |

Electrical Overload

| | |
|--------------------------|-----|
| Master Switch | OFF |
| Master Switch | ON |
| Over Voltage Light | OFF |
| or TERMINATE Flight ASAP | |

Spin Recovery

| | |
|---------------|---------------|
| Ailerons | NEUTRAL |
| Throttle | IDLE |
| Rudder | Full Opposite |
| Control Wheel | Full Forward |
| Rudder | NEUTRAL |
| Pitch | Level |

