

# CE 310 Checklist CE-310-L

## Before Engine Start

- Preflight **COMPLETE**
- Seat belts and doors **SECURE**
- All Electric/ Avionics **OFF**
- Gear handle **DOWN**
- Fuel on **MAINS**
- Circuit breakers **CHECK**
- Battery/ Alternators **ON**
- Mags **ON**
- Fuel quantity **CHECK**

## Engine Start

- Lights as required
- Throttles 1" **OPEN**
- Mixture full **RICH**
- Prime 5-6 seconds
- Props **CLEAR**
- Start engine
- Oil/Alt/Vacuum **CHECK**

### Hot Start

- Prime 6- 8 seconds
- Throttles 1/4 forward
- Mixtures **IDLE**
- Engage starter
- At start mixture forward
- Throttles back

## Before Taxi

- Flight Instruments **SET**
- Radios **SET**
- Passenger **BRIEF**
- Communicate ATC/CTAF
- Brakes **CHECKED**

## Run-up

- Fuel on **MAINS**
- Mixtures **RICH**
- Throttle to 1700
- Props feather **CHECK**
- L/R Mags **CHECK**
- Check idle
- Trim **SET TAKEOFF**
- Controls **FREE & CORRECT**

## Before Take off

- Transponder **ALT MODE**
- Lights as required
- Aux Pumps **LOW**
- Takeoff & Abort Speed **BRIEF**
- Communicate ATC/CTAF

## Climb Check

- Gear **UP**
- Flaps **UP**
- 2500 rpm / 25"MP
- Aux Pumps **AS REQ'D**
- Mixture **AS REQ'D**

## Cruise Check

- 2300 RPM / 21" -23" MP
- Mixtures **LEAN**

## Descent Checklist

- 2100-2300 RPM / 18"to 16" MP
- Mixture **AS REQ'D**
- WX/BARO **CHECK**

## Landing Check

- Gas Mains/ Aux Pumps **LOW**
- Undercarriage& Flaps **DOWN**
- Mixtures **RICH**
- Props **FORWARD**
- Seatbelts & Switches **SECURE**
- Autopilot **OFF**
- Lights **AS REQ'D**

## After Landing Check

- Flaps **UP**
- Mixtures **LEAN TAXI**
- Props **HIGH**
- Trim tab **SET TAKEOFF**
- Aux Pumps **OFF**
- Taxi Light **ON**

## Shutdown

- Throttles 1000 rpm
- Mixture idle **CUTOFF**
- BATT/ALT/MAGS **OFF**
- Secure Plane

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## EMERGENCY CHECKLISTS

### Engine Failure in Flight

#### THE DRILL

- (Positive Control of Airplane)
- Mixture **FORWARD**
- Props **FORWARD**
- Throttles **FORWARD**
- Flaps **UP**
- Gear **UP**
- **IDENTIFY** engine out with yaw ball (slap dead leg)
- **VERIFY** with throttle
- **FEATHER** dead engine Prop
- **PITCH** to blue line
- **CONFIRM** ability to climb

### Secure Dead engine

#### FLOOR-TO-DOOR

- Fuel Selector **OFF**
- Mixture idle cut **OFF**
- Prop **FEATHERED**
- Throttle **CLOSED**
- Fuel AUX boost pump **OFF**
- Magnetos **OFF**
- Alternator **OFF**

### Emergency Gear Extension

- Gear handle **CENTERED**
- Airspeed **BELOW 160 mph**
- Crank engage turn CCW Stow
- Check gear down

### Air start

- Fuel selector **Main**
- Mixture **RICH**
- **MATCH** Prop
- **MATCH** Throttle
- **MAGS ON**
- Prime **5 seconds**
- Engine **press** starter
- Oil pressure check
- Alternator **ON**

### Emergency Descent

- Mixture & Props full **FORWARD**
- Throttles **IDLE**
- Flaps **15°**
- Gear **DOWN**
- Pitch down to **140-150**

### VMCA Demo

- Above **3000'** AGL
- No engine pulls below **SSE**
- Flaps & Gear **UP**
- Props **FULL FWD**
- Right Throttle **FULL FWD**
- Left Throttle **IDLE**
- **Raise** nose slow down slowly
- At loss of HDG control/Stall
- Power on right engine **REDUCE**
- Lower **Nose**
- **Recover** Blue line on Right Engine
- **Power Up** Right Engine

V Speeds	
V <sub>MCA</sub>	85 MPH
V <sub>SSE</sub>	105 MPH
V <sub>XSE</sub>	108 MPH
V <sub>YSE</sub>	119 MPH (blue line)
V <sub>GLIDE</sub>	138 MPH
Emerg Descent	140-150 MPH
V <sub>FE</sub>	180 MPH 1 <sup>st</sup> 15deg 160 MPH Full
V <sub>LE</sub>	160 MPH
V <sub>Y</sub>	124 MPH
V <sub>X</sub>	97 MP