



**CITABRIA**

**7ECA**

**PILOT'S CHECKLIST**

2024

## Speeds (MPH)

Vr.....60  
Vx .....60  
Vy .....80  
Vs.....52  
Va (Norm).....120  
Va (Aero).....130  
Vno.....120  
Vne .....162

## INITIAL

Airworthy, Doc.....CHECK  
Weather.....CHECK  
Weight & Balance.....CHECK  
Charts and Plates .....CHECK  
Perf & D. Alt .....CHECK  
Baggage.....SECURE

## Pre-Flight-Int.

Brake.....SET  
Fuel Gauges.....CHECK  
Elec Switches.....OFF  
Mixture.....CUT OFF  
Magneto..... OFF  
Master.....ON  
Lights Int. & Ext.....ON  
Stall Horn .....ON  
Master..... OFF  
Fuel Shut off .....ON  
Flt Controls .....TRIM  
Inspect for Loose Items.....CHECK

## Pre-Flight-Ext.

Wing Root.....CHECK  
Ailerons.....CHECK  
Wing Tips/Lights.....CHECK  
Wings/ Struts/ Fuel Cap .....CHECK  
Tires/Brakes .....CHECK  
Oil Quantity/Leaks .....CHECK  
Cowl secure/ Air filter .....CHECK  
Prop & Spinner .....CHECK  
Intakes/Nose Light .....CHECK  
Pitot Head/Static Port.....CHECK  
Antennas.....CHECK  
Tiedowns/chock.....CHECK  
Empennage/Cables .....CHECK  
Braces.....CHECK  
Tailwheel/tire/springs .....CHECK  
Fuel Sump (4 Places).....CHECK

## ENGINE FIRE DURING START

Starter..... CRANK  
Mixture.....CUT-OFF  
Throttle.....OPEN  
Fuel Valve.....OFF

## ABANDON IF FIRE CONTINUES

## BEFORE START

Seat Belts, Seats..... CHECK  
Fuel Shut off.....ON  
Brakes.....SET  
Circuit Breakers .....IN  
Carb Heat.....OFF  
ELT.....ARMED  
Passenger Brief.....COMPLETE

## START

Door.....SECURE  
Master.....ON  
Primer.....3 PUMPS/LOCK  
Mixture.....RICH  
Throttle.....1/2"  
Magnetos.....ON  
Prop Area.....CLEAR  
Starter.....ENGAGE  
Throttle.....1000 - 1200 RPM Oil  
Pressure.....CHECK

## FLOODED START

Mixture.....IDLE CUTOFF  
Throttle.....OPEN FULL  
Magnetos.....OFF  
Prop Area.....CLEAR  
Starter.....Engage for  
several rotations-**Repeat normal  
start using no prime**

## AFTER START

Strobes.....OFF  
Nav Lights.....ON (*Night Only*)  
Mixture.....FULL RICH for taxi  
Radio.....ON AND SET  
Flight Instruments.....SET  
Dispatch.....RAMP OUT

## TAXI

Transponder.....ALT  
Brakes.....RELEASE  
Check Instruments.....CHECK  
Wind Conditions.....CHECK

## RUN UP

Brakes.....SET  
Trim-.....SET FOR TAKEOFF  
Master.....ON  
Fuel Shut off.....ON  
Mixture.....RICH  
Engine Gauges.....CHECK  
Stick.....Full Aft  
Throttle.....1800 RPM  
Magnetos.....CHECK  
Carb Heat.....CHECK  
Throttle.....IDLE CHECK  
*THEN 1000 RPM*

## BEFORE TAKEOFF

Belts/Seats.....CHECK  
Instruments.....SET  
Mixture.....SET  
Controls.....FREE  
Engine Gauges.....CHECK  
Crew Takeoff Brief.....CHECK  
Primer.....LOCKED  
Landing Light.....ON  
Strobes.....ON  
Door & Window.....CHECK  
Brake.....RELEASE

## ENGINE FAILURE DURING TAKEOFF

Throttle.....CLOSED  
Brakes.....MAXIMUM

## ENGINE FAILURE AFTER TAKEOFF

Airspeed.....65  
Mixture.....RICH  
Fuel Valve.....ON  
Magnetos.....ON  
**If no restart: Use Forced  
Landing Procedures  
Make Shallow turns to avoid  
obstacles**

**NORMAL TAKE OFF**

Throttle.....FULL  
Engine Instruments.....CHECK  
TAIL UP TO LEVEL ATTITUDE  
Lift Off.....60  
Climb-out.....80

**SHORT FIELD TAKE OFF**

Throttle.....FULL  
TAIL UP TO LEVEL ATTITUDE  
Lift Off.....60  
Climb-out.....70

**SOFT FIELD TAKE OFF**

Elevator.....TAIL LOW  
Lift Off.....Assist with elev.  
Accelerate in Ground Effect  
Climb-out.....70

**CLIMB**

Airspeed.....80  
Throttle.....FULL  
Landing Light.....OFF  
Mixture.....AS REQUIRED

**CRUISE**

Power.....SET  
Trim.....SET  
Mixture.....LEAN  
only when power below 75% and  
above 5,000'  
Engine Gauges.....CHECK

**Entry Speeds (MPH)**

Inside Loop.....140  
Immelmann.....145  
Hammerhead.....140  
Barrel/ Slow Roll.....120-130  
Spin.....Slow deceleration

**DECENT**

Throttle.....REDUCE AS DESIRED  
Mixture.....RICH  
Airspeed.....AS DESIRED

**BEFORE LANDING**

Landing Light.....ON  
Primer.....LOCKED  
Mixture.....RICH  
Seats & Belts.....CHECK  
Brakes.....CHECK FIRM

*Use 3-point full stall landing for  
short, soft, or rough fields.*

*Use Wheel landing for  
cross wind or gusty conditions.*

**AFTER LANDING**

Strobes.....OFF  
Landing Light.....OFF (Day)  
Ailerons.....SET for wind

**SECURE AIRCRAFT**

Strobes.....OFF  
Nav Lights.....OFF  
Landing Light.....OFF  
Throttle.....1000 RPM  
Mixture.....CUT OFF  
Magnetos.....OFF  
*after prop stops*  
Master Switch.....OFF  
Brake.....RELEASE  
Tie downs & Chocks.....  
Trash.....REMOVE

*Conduct Post Flight Inspection*

**EMERGENCY PROCEDURES**

**ENGINE FIRE DURING START**

Starter..... CRANK  
Mixture.....CUT-OFF  
Throttle.....OPEN  
Fuel Valve.....OFF

**ABANDON IF FIRE CONTINUES**

**EMERGENCY PROCEDURES**

**CONTINUED**

**OIL PRESSURE LOSS**

**Land as soon as practical  
Prepare for Power Off Landing**

**HIGH OIL TEMPERATURE**

**Land as soon as practical  
Prepare for Power Off Landing**

**FIRE IN FLIGHT**

CHECK SOURCE.....

**SMOKE IN CABIN**

Master switch.....OFF  
Lights.....OFF  
Radio/Transponder.....OFF  
Vents/Window.....OPEN

**LAND AS SOON AS POSSIBLE**

**ENGINE FIRE IN FLIGHT**

Mixture.....CUT OFF  
Fuel Valve.....OFF  
Cabin Heat.....OFF  
Magnetos.....OFF  
Electrical.....OFF

**PROCEED WITH FORCED LANDING**

**ENGINE FAILURE DURING  
TAKEOFF**

Throttle.....CLOSED  
Brakes.....MAXIMUM

**ENGINE FAILURE AFTER  
TAKEOFF**

Airspeed.....65  
Mixture.....RICH  
Fuel Valve.....ON  
Magnetos.....ON

***If no restart: Use Forced Landing  
Procedures***

***Make Shallow turns to avoid  
obstacles***

**ENGINE FAILURE DURING FLIGHT**

Airspeed.....70  
Carb Heat.....OPEN  
Mixture.....RICH  
Fuel Valve.....ON  
Magneto Switches.....ON

*If power not restored prepare for power off landing*

**DITCHING**

Cabin Door.....Jettison

**Land into the wind Contact water with a nose high attitude**

**DO NOT STALL prior to touchdown  
Exit Immediately**

**FORCED LANDING**

Ldg Field/Best Glide.....70  
Belts/Seats.....CHECK  
Mixture.....CUT OFF  
Fuel Valve.....OFF  
Master Switch.....ON  
Radio.....MAYDAY 121.5 Mhz  
Radio.....OFF  
Transponder.....OFF  
Lights.....OFF  
Magnetos.....OFF  
Master Switch.....OFF

**ELECTRICAL FAILURE**

Master Switch.....CYCLE TO RESET  
OVER VOLTAGE RELAY

**If Power not restored:**

Elec. Load.....REDUCE

**LAND AS SOON AS PRACTICAL PREPARE FOR  
TOTAL ELECTRICAL FAILURE**

**SPIN RECOVERY**

Throttle.....IDLE  
Rudder.....FULL OPPOSITE  
Elevator.....SLIGHTLY FORWARD  
Ailerons.....NEUTRAL  
Rudder.....Neutralize  
after rotation stops, neutralize the rudder and then smoothly recover from the dive