

## CITABRIA 7ECA GROUND PROCEDURES

### DISPATCH

Weather ..... **BRIEF**  
 NOTAMs ..... **CHECK**  
 W&B ..... **CHECK**  
 Perf. Reqs. .... **CHECK**  
 Squawks ..... **CHECK**  
 IMSAFE ..... **CHECK**

### INSPECTION

Fuel .... **DRAIN, CHECK**  
 AV1ATE ..... **CHECK**  
 AROW ..... **CHECK**  
 Mags ..... **OFF**  
 Fuel Gauges ..... **TRUE**  
 Fuel Shutoff ..... **IN**  
 Master ..... **ON**  
 Lights ..... **CHECK**  
 Stall Horn ..... **CHECK**  
 Master ..... **OFF**  
 ELT ..... **ARMED**  
 Oil ..... **5-6 qts**  
 Exterior ..... **CHECK**  
 Ties/Chocks .. **REMOVE**  
 Walkaround .. **EXECUTE**

### START

Passengers ..... **BRIEF**  
 Seatbelts ..... **CHECK**  
 Breakers ..... **CHECK**  
 Fuel Shutoff ..... **IN**  
 Electrical ..... **OFF**  
 Door ..... **CLOSED**  
 Stick ..... **FULL AFT**  
 Carb. Heat ..... **COLD**  
 Mixture ..... **RICH**

### HOT: SKIP PRIME

Prime ..... **2x**  
 Primer ..... **LOCKED**  
 Master Switch ..... **ON**  
 Mags ..... **ON**  
 Beacon ..... **ON**  
 Throttle ..... **SLIGHT**  
 Brakes ..... **SET**  
 Clear Prop . **ANNOUNCE**  
 Starter ..... **PUSH**  
 Throttle ..... **1000 RPM**  
 Oil Pressure .... **CHECK**  
 Ammeter ..... **CHECK**  
 Mixture ..... **LEAN**

Lights ..... **ON**  
 Radios ..... **SET**  
 ATIS ..... **GET**  
 Barometer ..... **SET**  
 XPDR ..... **SET**  
 Taxi Diag. .... **OPEN**

### TAXI

Brakes ..... **TEST**  
 Controls ..... **WIND**

### RUNUP

Doors ..... **CLOSED**  
 Seatbelts ..... **CHECK**  
 Brakes ..... **SET**  
 Controls ..... **CORRECT**  
 Trim ..... **TAKEOFF**  
 Flight Inst. .... **CHECK**  
 Fuel Shutoff ..... **IN**  
 Mixture .. **BEST POWER**  
 Throttle ..... **1800 RPM**  
 Mags ..... **CHECK**  
 Carb. Heat ..... **CHECK**  
 Engine Inst. .... **CHECK**  
 Throttle ..... **1000 RPM**

### SWITCH TO FLIGHT

### SHUTDOWN

Brakes ..... **SET**  
 Lights ..... **OFF**  
 GPS ..... **OFF**  
 XPDR ..... **SET, OFF**  
 Mixture ..... **IDLE C/O**  
 Mags ..... **OFF**  
 Master ..... **OFF**  
 Flight Plan ..... **CLOSE**

### SECURING

Front Lap Belt . **AROUND STICK**  
 Back Lap Belt . **BUCKLE**  
 Hobbs/Tach ..... **NOTE**  
 Squawks ..... **NOTE**  
 Sun Shades .. **REPLACE**  
 Wheels ..... **CHOCK**  
 Tail Wheel ... **REORIENT**  
 Ties ..... **TIE**  
 Doors ..... **LOCK**

### FIRE ON START

#### IF START

Run ..... **5 sec**  
 Mixture ..... **IDLE C/O**  
 Evacuage ..... **GO**

#### IF NO START

Crank ..... **CONTINUE**  
 Mixture ..... **IDLE C/O**  
 Throttle ..... **FULL**  
 Fuel Shutoff ..... **OUT**  
 Evacuage ..... **GO**

# CITABRIA 7ECA FLIGHT PROCEDURES

## TAKEOFF BRIEF

Runway .....**CHECK**  
 Crosswind .....**CHECK**  
 Abort Speed .....**NOTE**  
 Technique .....**NOTE**  
 Min. Ret. Alt. ....**NOTE**  
 Best Glide .....**NOTE**  
 Time .....**NOTE**  
 Mixture .. **BEST POWER**

## CLIMB

Throttle .....**OPEN**

## IF BELOW 5000

Mixture .. **BEST POWER**  
 Engine Inst. ....**CHECK**  
 Speed ..... **75-80**  
 Best Rate ..... **69**  
 Best Angle ..... **58**

## PRE-DESCENT

Engine Inst. ....**CHECK**  
 ATIS .....**GET**  
 Barometer .....**SET**  
 Tower .....**CONTACT**  
 Mixture .....**ENRICH**  
 Lights ..... **ON**

## AFTER LANDING

Carb. Heat ..... **COLD**  
 Trim .....**TAKEOFF**  
 Mixture ..... **LEAN**  
 Taxi Diag. .... **OPEN**

## SWITCH TO GROUND

### TAKEOFF CFGS

#### NORMAL

Rotate .....**55**  
 Climb ..... **69**

#### SHORT

Rotate .....**50**  
 Climb ..... **58**

#### SOFT

Attitude ..... **TAIL LOW**  
 After Liftoff ..... **LEVEL**  
 Climb ..... **75**

## APPROACH CFGS

### NORMAL

Speed ..... **60-65**  
 Landing ... **FULL STALL**

### WHEEL

Speed ..... **65-70**  
 Landing ..... **MAINS**  
 Stick ..... **FORWARD**

### LOW VOLTAGE

Master ..... **CYCLE**  
 Nonessentials ..... **OFF**  
 Flight ..... **TERMINATE**

### OVERVOLTAGE

Master ..... **CYCLE**  
 Flight ..... **TERMINATE**

### ENGINE FAILURE

Best Glide .....**65**  
 Fuel Shutoff ..... **ON**  
 Throttle ..... **HALF**  
 Throttle ..... **FULL**  
 Mixture ..... **VARY**  
 Primer ..... **TRY**  
 Carb. Heat ..... **HOT**  
 Mags ..... **TEST BOTH**

### IF NO RESTART

Squawk .....**7700**  
 Emergency .. **DECLARE**  
 Fuel Shutoff ..... **OUT**  
 Mixture ..... **IDLE C/O**  
 Mags ..... **OFF**  
 Landing ..... **EXECUTE**

### ENGINE FIRE

Mixture ..... **IDLE C/O**  
 Fuel Shutoff ..... **OUT**  
 Switches ..... **ALL OFF**  
 Cabin Heat ..... **OFF**  
 Extinguisher ..... **USE**  
 Flight ..... **TERMINATE**

### ELECTRICAL FIRE

Electrical ..... **OFF**  
 Vents ..... **OPEN**  
 Extinguisher ..... **USE**

### IF FIRE CONTINUES

Flight ..... **TERMINATE**

## NOTES

- All airspeeds in MPH
- Carb. heat always on if icing suspected, indicated by gradual loss of RPM
- Use only rudder on takeoff and landing (no brakes)
- Mixture should be leaned at any altitude when under 75% power. Lean until engine roughness, then enrichen to smoothness.

## IMPORTANT NUM.

$V_{so}$  .....**50**  
 $V_{rotate}$  .....**55**  
 $V_x$  .....**58**  
 $V_y$  .....**69**  
 $V_a$  ..... **120**  
 $V_{no}$  .....**120**  
 $V_{ne}$  .....**162**  
 Best Glide ..... **65**  
 Max Gross .....**1750**  
 Max Crosswind ..... **15**  
 Fuel ..... **35**