

## CITABRIA 7ECA GROUND PROCEDURES

### DISPATCH

Weather ..... **BRIEF**  
 NOTAMs ..... **CHECK**  
 W&B ..... **CHECK**  
 Perf. Reqs. .... **CHECK**  
 Squawks ..... **CHECK**  
 Illness ..... **CHECK**  
 Medication ..... **CHECK**  
 Stress ..... **CHECK**  
 Alcohol ..... **CHECK**  
 Fatigue ..... **CHECK**  
 Eating ..... **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 ..... **6 qts**  
 Exterior ..... **CHECK**  
 Ties/Chocks ... **REMOVE**  
 Walkaround .. **EXECUTE**

### START

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

### HOT: SKIP PRIME

Prime ..... **4x**  
 Primer ..... **LOCKED**  
 Master Switch ..... **ON**  
 Mags ..... **ON**  
 Throttle ..... **SLIGHT**  
 Brakes ..... **SET**  
 Clear Prop . **ANNOUNCE**  
 Starter ..... **PUSH**

Throttle ..... **1000 RPM**  
 Oil Pressure .... **CHECK**  
 Mixture ..... **LEAN**  
 Lights ..... **ON**  
 Radios ..... **SET**  
 ATIS ..... **GET**  
 Barometer ..... **SET**  
 XPDR ..... **SET**  
 Taxi Diag. .... **OPEN**

### TAXI

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

### RUNUP

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**  
 Doors ..... **CLOSED**  
 Seatbelts ..... **CHECK**

### SWITCH TO FLIGHT

### SHUTDOWN

XPDR ..... **SET, OFF**  
 Brakes ..... **SET**  
 Lights ..... **OFF**  
 GPS ..... **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

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

## 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 min**  
 Fuel Shutoff .....**ON**  
 Throttle .....**HALF**  
 Throttle .....**FULL**  
 Mixture .....**VARY**  
 Primer .....**TRY**  
 Carb. Heat .....**ON**  
 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
- Only use 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.

## V-SPEEDS

$V_{rotate}$  .....**60**  
 $V_x$  .....**58**  
 $V_y$  .....**69**  
 $V_a$  .....**120**  
 $V_{no}$  .....**120**  
 $V_{ne}$  .....**162**  
 Best Glide .....**65**