

Before Starting

| | |
|--------------------------------|---------------|
| Preflight | Complete |
| <i>Give Passenger Briefing</i> | |
| Seats | Adjusted |
| Seatbelts | Fastened |
| Fuel Selector Valve | BOTH |
| Avionics Master | OFF |
| Circuit Breakers | IN |
| Brakes | Test and Hold |

Starting

| | |
|-----------------|---------------|
| Mixture | RICH |
| Throttle | Open 1/8 Inch |
| Carb. Heat | OFF |
| Primer | As Required |
| Beacon | ON |
| Propeller Area | CLEAR |
| Master Switch | ON |
| Ignition Switch | START |
| Throttle | 1000 RPM |
| Oil Pressure | Green Arc |
| Ammeter | ≥ 0: Check |
| Mixture | Lean for Taxi |

Before Taxi

| | |
|--------------------|--------------|
| Flaps | UP |
| Avionics Master | ON |
| Transponder | 1200 and ALT |
| Intercom Panel | SET |
| Radios | SET |
| ATIS / Wx | Obtain |
| Flight Instruments | CHECK / SET |
| Flight Controls | CHECK |
| Area | CLEAR |
| Taxi Clearance | GET |

Taxi

| | |
|--|-------------------|
| Brakes | Release and Test |
| Flight Controls | Position for Wind |
| Taxi | 750 to 1000 RPM |
| <i>Do not ride brakes: tap as needed</i> | |

Before Takeoff

| | |
|----------------------------------|--------------|
| Brakes | SET and HOLD |
| Door / Windows | CLOSED |
| Mixture | Enriched |
| Throttle | 1700 RPM |
| Magnetos | CHECK |
| <i>Max drop each: 125 RPM</i> | |
| <i>Max diff. between: 50 RPM</i> | |

| | |
|-------------------|------------------|
| Engine Instr. | Green Arc |
| Carb Heat | CHECK drop if ON |
| Ammeter | ≥ 0: Check |
| Suction | Green Arc |
| Throttle 700RPM | Check Idle |
| Throttle | 1000 RPM |
| Trim | Takeoff |
| Flight Instrument | SET |
| Radios | SET |
| Fuel Valve | BOTH |
| Mixture | As Required |
| Seatbelts | Fastened |

Takeoff Briefing and Emergency procedures: REVIEW

| | |
|--|-------------|
| <i>Contact Tower or Announce Depart.</i> | |
| Approach Path | CHECK CLEAR |
| Takeoff Time | NOTE |
| Initial Heading | NOTE |

Normal Takeoff

| | |
|--------------|-----------------|
| Flaps | UP |
| Throttle | FULL (smoothly) |
| Engine Inst. | GREEN ARC |
| Rotate | 63 mph |
| Climb | Vy = 90 mph |

Short Field:

| | |
|-------------------|-------------|
| Rotate | 60 mph |
| Climb (til clear) | Vx = 75 mph |

Cruise Climb

| | |
|---------------|---------------|
| Airspeed | 95 to 105 mph |
| Mixture | As Required |
| Engine Instr. | GREEN ARC |

Cruise

| | |
|---------------|-----------|
| Pitch | LEVEL |
| Airspeed | CRUISE |
| Power | 2300 RPM |
| Trim | ADJUST |
| Mixture | SET/LEAN |
| Engine Instr. | GREEN ARC |
| Cross check: | |

Pitch, Power and Trim

Heading Indicator and Compass

Altimeter Setting

| | |
|------------------|-------------|
| Flight Plan | As Required |
| Flight Following | Request? |

Pre-Maneuver Checklist

| | |
|----------|------------------|
| Airspeed | < Va=103mph Typ. |
| Area | CLEAR |
| GUMPS | CHECK |
| Maneuver | SETUP |

Descent

| | |
|------------------|-------------|
| Fuel Valve | BOTH |
| Mixture | As Required |
| Power | As Required |
| Carb Heat | As Required |
| Engine Instr. | GREEN ARC |
| Airport Environ. | PREPARE |

Before Landing

Check: GUMPS

| | |
|------------|----------------|
| Fuel Valve | BOTH |
| Mixture | As Required |
| Carb. Heat | ON as required |
| Primer | IN / LOCKED |
| Seatbelts | FASTENED |
| Lights | As Required |

Normal Landing

| | |
|--------------------------------|-------------|
| Airspeed | 75 mph |
| Flaps | As Required |
| Trim | As Required |
| Brakes as required if < 40 mph | |

Go Around

Cram, Climb, Clean, Call, Cool

| | |
|-----------|--------------|
| Throttle | FULL |
| Carb Heat | OFF |
| Mixture | RICH |
| Flaps | UP (incred.) |
| Obstacles | CLEAR |
| Airspeed | Vy = 90 mph |
| Flaps | UP Check |
| Call | Going Around |

| After Landing | |
|--|-----------------|
| Taxi | Clear of Runway |
| Flaps | RETRACT |
| Carb. Heat | OFF |
| Lights | As Required |
| Mixture | Lean for Taxi |
| <i>Contact Gnd Control or Taxi to Ramp</i> | |

| Shutdown | |
|---|-----------------|
| Recall: SLIM | |
| Switches | OFF |
| Lean Mixture | CUTOFF |
| Ignition | OFF |
| Master | OFF |
| Trim | TAKEOFF |
| Control Lock | INSTALL |
| Hobbs and Tach. | RECORD |
| Flight Plan | CLOSE if needed |
| Pitot Cover | ON |
| Chocks | INSTALL |
| Secure aircraft on Tiedown or Hangar | |
| Locks | CHECK |

| V-Speeds | |
|-----------------|------------------|
| Vso | 48 mph |
| Vs1 | 54 mph |
| Vx | 68 mph |
| Vy | 90 mph |
| Vg | 75 mph |
| Vfe | 97 mph |
| Va | 110 max GW to 92 |
| Vno | 147 mph |
| Vne | 184 mph |

| Frequencies (KCLL and vicinity) | |
|--|---------------|
| ATIS | 126.85 |
| Ground Control | 128.70 |
| Tower | 118.50 |
| Houston Dep. | 134.30 |
| Houston Appr. | 134.30 |
| Cl.rnce Delivery | Gnd or 120.40 |
| Unicom | 122.95 |
| KCFD - Coulter Fld | 123.00 |
| Multicom | 122.90 |

E.g.: LHB, RWV, 60R, etc.

- * KCLL Twr Recommends contacting 10 NM out when approaching
- * Always check NOTAMs for last minute changes and TFRs
- * KCLL Tower hours of operations are 8:00 AM to 9:00 PM Central Time Class E airspace to the surface at other times.

| Emergencies - Engine Failure | |
|-------------------------------------|---------|
| Takeoff Run | |
| Throttle | IDLE |
| Brakes | APPLY |
| Flaps | RETRACT |
| Mixture | CUTOFF |
| Ignition | OFF |
| <i>Contact Tower, if able</i> | |
| Master | OFF |

| Climb Out | |
|------------------|-------------|
| Airspeed | Vg = 75 mph |
| Fuel Valve | OFF |
| Mixture | CUTOFF |
| Throttle | IDLE |
| Ignition | OFF |
| Flaps | As Required |
| Master | OFF |

| In-Flight: Restart (if time allows) | |
|--|--------------|
| Airspeed | Vg = 75 mph |
| SELECT Field, FLY to IT | |
| Fuel Valve | ON |
| Mixture | RICH |
| Carb Heat | ON |
| Primer | IN / LOCKED |
| Ignition: | |
| If prop turning: BOTH | |
| If prop stopped: START | |
| Transponder | 7700 |
| Radio | 121.5 or ATC |
| Issue MAYDAY | |

If engine does not restart SECURE

| In-Flight: Secure | |
|-----------------------------------|-------------|
| Airspeed | Vg = 75 mph |
| Fuel Valve | OFF |
| Mixture | CUTOFF |
| Throttle | IDLE |
| Ignition | OFF |
| Flaps | As Required |
| Master | OFF |
| Seatbelts | FASTEN |
| Passengers | PREPARE |
| Open DOORS right before touchdown | |

| In-Flight: Engine Fire | |
|---|--------|
| Mixture | CUTOFF |
| Fuel Valve | OFF |
| Master Switch | OFF |
| Vents | CLOSED |
| Cabin Air | CLOSED |
| Heat | CLOSED |
| Windows | CLOSED |
| <i>* Increase airspeed > 115 mph to help extinguish flames</i> | |
| <i>* Continue with SECURE checklist for immediate landing</i> | |

| Electrical Fire | |
|--------------------------------------|--------|
| Master Switch | OFF |
| Vents | CLOSED |
| Heat | CLOSED |
| Cabin Air | CLOSED |
| <i>* Open windows to clear cabin</i> | |
| <i>* Land as soon as possible</i> | |

Additional Emergencies and Abnormal Conditions are described in the POH



1820 George Bush Dr. W, Bldg 1091
College Station, TX, 77845
Tel. 979-260-6322 - Airport: KCLL
http://bvfs.net
mail: info@bvfs.net