CESSNA 185 CHECK LIST

BEFORE ENGINE START

- Preflight inspection - *Complete*
- Seatbelts - *Fastened*
- Fuel shutoff valve - *On*
- Avionics power - *Off*
- Autopilot - *Off*
- Circuit breakers - *Check*
- Cowl flaps - *Open*
- Alternate Static - *Check*

ENGINE START

- Mixture - *Rich*
- Prop - *High RPM*
- Master switch - *On*
- Fuel pump - *On*
- Throttle - *Full then close* (2 seconds)
- Prop - *Clear*
- Brakes - *Set*
- Ignition switch - *Start*
- Throttle - *Advance* until engine starts
- Throttle - *Reduce* to 1000 RPM
- Oil pressure - *Check*
- Lights – *Check* and *set*
- Compass/DG – *Check*
- Atis *- Record*
- Taxi – *Check: brakes, AI, T&B*

BEFORE TAKEOFF

- Doors - *Locked*
- Controls - *Free and correct*
- Instruments - *Check and Set*
- Fuel shutoff valve - *On*
- Fuel selector - *Both*
- Fuel quantity - *Check*
- Mixture - *Rich* (or lean for elevation)
- Trim - *Set*
- Cowl flaps - *Open*
- Runup Prop - *1700 RPM*
    - *Magnetos:* 150 max drop
    - *Prop:* cycle
    - *Suction:* check
    - *Charging:* check
- Radios/transponder - *Set*
- Autopilot - *Off*
- Flaps - *20º or 30º*
- Climb gradient *- check*
- *Ready for Release*

TAKEOFF

- Strobes – *On*
- Pitot Heat – *Set*
- Time off - *Record*
- Initial climb: *Full power, 85 KIAS*
- Obstacles cleared: *25^2, 100 KIAS, Flaps up*

APPROACH

- Atis – set altimeter
- Visibility/ceilings
- Notes/Circling restrictions
- FAF altitude/doglegs
- Stepdowns
- Missed approach
- Approach airspeed
- ADF - Identify
- VOR/ILS – Identify, course set
- Markers - Test
- *Approach checklist complete*

BEFORE LANDING

- Com - CTAF
- Cowl flaps - *Closed*
- Seat belts - *Fastened*
- Fuel selector - *Both*
- Mixture - *Rich*
- Prop - *High RPM*
- Flaps - *10º to 40º*
- Speeds *Downwind* 80 KIAS
        Final   70 KIAS
        Short field 60 KIAS
- *Prelanding checklist complete*

AFTER LANDING

- Flaps - *Up*
- Cowl flaps - *Open*
- Trim - *Centered*

SHUTDOWN

- Avionics power - *Off*
- Mixture - *Idle cutoff*
- Mags - *Off* after prop stops
- Master - *Off*

SPEEDS		KIAS
Best glide	(3350 lb)	75
	(1950 lb)	58
Maneuvering	(3350 lb)	118
	(1950 lb)	90
Vx	(flaps 10)	57
	(flaps 20)	47
	(flaps 30)	37
Vy	(sea level)	88
	(10000 ft)	82

EMERGENCY LANDING

1. *TRIM* for 75 KIAS
2. *CHOOSE* a field & *TURN* to it
3. *TROUBLESHOOT* if time permits
   - fuel selector, primer
   - mixture, magnetos
   - fuel and oil pressure
   - try engine restart
4. *COMMUNICATE* if time permits
   - Mayday: on 121.5 (who, where)
   - Squawk: 7700
5. *LANDING*
   - Seatbelts - SECURE
   - Fuel selector - OFF
   - Mixture - IDLE CUTOFF
   - Magnetos/Master - OFF
   - Door - UNLATCHED
   - Flaps - 40º

IFR LOST COMMUNICATIONS

ROUTE (in order of priority)
- Last assigned
- Direct to fix (radar vectors
- Expected routing
- Route filed in flight plan

ALTITUDE – For each segment, Highest of:
- MEA/MOCA
- Expected altitude

HOLDING
- Leave at EFC
- or leave to arrive at IAF at EAC

DESCENT
Upon reaching IAF but not before EAC or ETA