

CESSNA 182Q**Start / Takeoff / Cruise****CESSNA 182Q****Descent / Landing / Shutdown****BEFORE ENGINE START**

Preflight Inspection
 Cell Phones OFF
 Seat Belts & Harnesses
 Passenger Briefing
 Fuel Selector BOTH
 Avionics Power OFF
 Autopilot OFF
 Circuit Breakers
 Parking Brake SET
 Cowl Flaps OPEN
 ATIS / SET ALTIMETER

STARTING ENGINE

Mixture RICH
 Throttle OPEN 1/2 INCH
 Propeller HIGH RPM
 Carburetor Heat COLD
 Master Switch ON
 Rotating Beacon / NAV Lights
 Ignition Key IN
 Prime (2-3 time), then lock
 Mixture IDLE/CUTOFF
 Propeller Area "CLEAR"
 Ignition Switch START
 Mixture ADJUST
 Oil Pressure
 Ammeter
 Suction Gauge
 Wing Flaps UP

NAV/COMM

Avionics Power ON
 Intercom CHECK
 Marker Beacon TEST
 Com 1 SET
 Com 2 SET
 Nav 1 TEST / SET
 Nav 2 TEST / SET
 GPS SET

BEFORE TAXI

Flight Instruments
 Transponder 1200 STANDBY
 Taxi Light ON
 Parking Brake OFF
 Permission to Taxi

RUNUP CHECK

Parking Brake SET
 Flight Controls & Trim
 Fuel Selector BOTH
 Fuel Quantity
 Autopilot / Air Cond OFF
 Throttle 1800
 Mixture ADJUST
 Magnetos
 Propeller CYCLE
 Oil Pressure
 Oil Temperature
 Ammeter
 Suction Gauge
 Annunciator Panel
 Throttle IDLE
 Throttle 1000
 Circuit Breakers
 Flight Instruments
 Radios
 Transponder ALT
 Landing Light / Strobes
 Cabin Doors & Windows
 Takeoff Briefing
 Wing Flaps SET
 Parking Brake OFF
 Permission to Take Off

NORMAL TAKEOFF

Throttle FULL
 Rotate 50 KIAS
 Trim for 70-80 KIAS
 Prop 2400 RPM at 500 AGL

CRUISE CLIMB

Airspeed 85-95 KIAS
 Power 23 INCHES / 2400 RPM
 Mixture Adjust

CRUISE

Power / Prop / Mixture
 Elevator & Rudder Trim
 Cowl Flaps CLOSED
 Engine Instruments
 Landing Light OFF

DESCENT

Fuel Selector Valve BOTH
 Power / Mixture
 Cowl Flaps CLOSED
 Landing Light ON

PATTERN ENTRY

Power 15 INCHES
 Flaps 10°

BASE LEG (Trim for 75 KIAS)

Flaps 20°

APPROACH

Gas BOTH
 Undercarriage
 Mixture
 Propeller HIGH RPM
 Safety SECURE
 Autopilot OFF

AFTER LANDING CHECK

Wing Flaps UP
 Cowl Flaps OPEN
 Mixture Adjust
 Landing Lights / Strobes OFF
 Taxi Lights ON
 Transponder STANDBY

SHUTDOWN

Throttle 1000 RPM
 Magneto Safety Check
 Throttle 1700 RPM
 Mixture LEAN MAX RPM
 Avionics Power Switch OFF
 Electrical Equipment OFF
 External Lights (except Beacon) OFF
 Throttle 1200 RPM
 Mixture IDLE CUTOFF
 Ignition Switch OFF
 Beacon Light OFF
 Master Switch OFF
 Cowl Flaps CLOSED
 Fuel Selector RIGHT or LEFT

SECURING AIRCRAFT

Run mains over orange stripes
 Center nose gear over centerline
 Push up against chocks
 Place nose chocks
 Control Lock INSTALL
 Aircraft Hobbs & Tachometer RECORD
 Master Switch VERIFY OFF
 Doors and Baggage Door LOCK
 Post Flight Inspection
 Hangar door will clear prop?

AIRSPEDS FOR SAFE OPERATION**Takeoff** – Flaps Up

Rotation 55 KIAS
 Short Field 57 KIAS

Enroute Climb – Flaps Up

Normal Climbout 85-95 KIAS
 Best Rate (V_y) 75 KIAS
 Best Angle (V_x) 60 KIAS

Landing Approach

Normal – Flaps Up 75 KIAS
 Normal – Flaps 30° 65 KIAS
 Short Field – Flaps 40° 60 KIAS

Balked Landing

Max Pwr – Flaps 20° 55 KIAS

Maximum Maneuvering Speeds

3100 lbs 110 KIAS
 2600 lbs 101 KIAS
 2100 lbs 88 KIAS

Best Glide

Flaps UP 75 KIAS
 Flaps DOWN 70 KIAS

Max Xwind 15 KIAS