

Lancair 200/300 Normal Procedures

Engine Start

External

Fuel – visually check fuel quantity in each tank
Sump each tank
Oil – 6 – 6.5 qts
Tires – Condition and tread
Prop Condition
Structural Integrity

Internal

Seat Harness – Attached and adjusted
Cockpit switches – Off
Landing Gear Handle – Down
Brake – Check positive pressure
Mixture – Rich
Strobes - On
Fuel – Header Tank Selected
 Electric Boost Pump - On
Battery Switch – On
Clear Prop
Canopy – Closed and at least one latch fastened
Ignition – Start, until engine runs (30 sec max)
Instrument Master Sw – On, check oil pressure
Avionics Master Sw – On
Throttle – Set 1000 to 1100 RPM for warm up
Verify B.U. Alternator Operation, 12+ Volts
Main Alternator Sw – On, 14+ Volts
GPS – Initiate and program
Radios – Check on and get weather

Taxi

Canopy – Open slightly if hot
Mixture - Lean
Brakes – Check
EFIS – Check heading and attitude

Before Take Off

Complete T.O. Placard items

Take Off

On Runway Centerline, Nose Wheel Centered
Throttle - Smoothly advance to Max
Brakes – Release as power increases
Rudder – Full right initially
Check Engine - < 2690 RPM
60 KIAS – Rotate slowly to 10 deg nose up
Accelerate – 90 KIAS
Landing Gear – Up (Positive climb, > 100 Ft AGL)
Flaps – Up (90 – 100 KIAS)

Climb

500 Ft AGL – Accelerate to 125 – 135 KIAS
Throttle and Prop – Set 2300 RPM and 25 in Hg
Fuel – Select Wing Tank
 Check Fuel Pressure and engine operation
 Electric Fuel Pump – Off
CHT – Monitor <430 deg (reduce power if necessary)
Mixture – Lean < 1400 deg

Cruise

RPM – 2000 – 2300
MAP - < 24 in Hg
CHT - < 420 deg (reduce power if necessary)
EGT – Lean Mixture to 1350 +/- 20 deg
Engine – Monitor instruments
Fuel – Switch Wing Tanks (45 – 60 minutes)
 Electric Pump – On when switching

Descent

Monitor Airspeed – <235 KIAS VNE
Throttle – Reduce as necessary
Mixture – increase to maintain <1350 deg
Prop – Increase RPM if necessary for drag

Landing

Complete Landing Placard items
Airspeed – 80 – 85 KIAS until landing flare

After Landing

Flaps – Up
Brakes – As required
Canopy – Slightly open if hot

Shutdown

Switches – All Off
Throttle – 1000 – 1100 RPM
Mixture – Cut Off
Ignition – Off after engine quits
Master Switch – Off
Fuel Selector – Off

Go Around

Throttle - Max Power
Rotate - 10 deg nose up
Landing Gear and Flaps – Normal T.O. Procedures