

N816L Normal Checklist

Before Start

Preflight COMPLETE
 Tach/Hobbs NOTE
 Passenger Brief COMPLETE
 Seat track/belts SECURE
 Avionics Master OFF
 Beacon ON

Starting

Fuel Selector BOTH
 Circuit Breakers CHECK
 Trim SET T/O
 Mixture RICH
 Throttle CRACK
 Carb Heat COLD
 Primer AS REQUIRED
 Brakes TEST & HOLD
 Master ON
 Propeller Area CLEAR
 Mags START
 Oil Pressure CHECK

Taxi

Flaps UP
 Avionics Master ON
 Nav Lights ON
 Mixture LEAN
 Weather CHECK
 Altimeter SET
 Attitude Indicator CHECK
 Heading Indicator CHECK
 Avionics/ Radios CHECK/SET
 Brakes TEST

While Turning:

Heading & Compass CHECK
 Turn Coordinator CHECK

Run-Up

Brakes HOLD
 Flight Controls CHECK
 Fuel Selector BOTH
 Primer IN/ LOCKED
 Mixture RICH
 Throttle 1700 RPM
 Engine Ins. CHECK
 Ammeter POSITIVE
 Mags TEST
 (125RPM max drop, 50rpm in between)
 Carb Heat CHECK
 Idle CHECK
 Throttle 1000RPM
 Flight Instruments CHECK

Engine failure on the RWY

Throttle IDLE
 Brakes APPLY
 Stop AHEAD

Engine failure in air, with RWY remaining

Throttle IDLE
 Land AHEAD
 Brakes APPLY

Engine failure in air, with no RWY remaining

Airspeed 80mph
 Fuel Selector OFF
 Mixture CUTOFF
 Mags OFF
 "Mayday Mayday"
 Flaps DOWN
 Master OFF
 Door OPEN
 Land away from obstacles at lowest possible
 airspeed

Before Take-off

Flaps UP
 Carb Heat COLD
 XPDR CODE/ ALT
 Mixture RICH
 Take-off Briefing COMPLETE
 Doors & Windows CLOSED
 Landing Light ON
 Time NOTE

Normal Takeoff

Flaps 0 DEGREES
 (On Runway)
 Engine Ins. GREEN
 Heading VERIFY
 Throttle FULL
 Airspeed ALIVE
 Rotate 60mph
 Climb Speed 90mph

Cruise

Power SET
 Trim SET
 Landing Light OFF
 Mixture LEAN
 Instruments CHECK
 Heading Indicator CHECK

Descent

Mixture SLOWLY RICH
 Carb Heat AS REQUIRED
 Throttle REDUCE

Before Landing (GLUMPS)

Gas BOTH
 Landing light ON
 Undercarriage DOWN
 Mixture RICH

Palmetto Sky Flight School

Props SET
 Seatbelts ON

After Landing

Throttle 1000RPM
 Landing Light OFF
 Carb Heat COLD
 Mixture LEAN
 Flaps UP
 Trim SET T/O

Securing Aircraft

Avionics Master OFF
 Lights OFF
 Mixture CUTOFF
 Mags OFF
 Master OFF
 Tach/Hobbs NOTE
 Control Lock INSTALL
 Tie downs INSTALL

V-Speeds

Vso.....52 mph Vg.....80 mph
 Vs.....59 mph Vfe.....100 mph
 Vr.....60 mph Va.....122 mph
 Vx.....68 mph Vno...140mph
 Vy.....80 mph Vne.....174mph

