

# N8276L Checklist

## Preflight

### PREFLIGHT

- a. COCKPIT
1. Docs (AROW)..... CHECK
  2. Weight & Balance..... CHECKED
  3. Pitot Cover..... REMOVE
  4. Control Locks..... REMOVE
  5. Parking Brake..... SET
  6. Ignition..... OFF
  7. Fuel Selector Valve..... BOTH
  8. Avionics & Radios..... OFF
  9. Master..... ON
  - i. Pitot Heat..... ON
  - ii. Fuel Boost Pump..... VERIFY (fuel pressure)
  - iii. Fuel Gauges..... CHECK
  - iv. Pitot Heat..... CHECK
  - v. Lights..... CHECK
  - vi. Flaps..... DOWN
  10. Master..... OFF
  11. Baggage Door..... CLOSED & LOCKED
- b. FUSELAGE & ANTENNAS..... CHECK
- c. EMPENNAGE
1. Tie-Down..... REMOVE
  2. Flight Controls..... CHECK
  3. Trim Tab..... SECURE
- d. RIGHT WING..... INSPECT
1. Flap & Aileron..... CHECK
  2. Wing Tip..... CHECK
  3. Leading Edge..... CHECK
  4. Tie-Down..... REMOVE
  5. Main Gear..... CHECK
  6. Fuel..... SUMP
  7. Fuel Quantity..... CHECK & SECURE CAP

*Continued on top*

### Preflight Continued

- e. ENGINE, COWLING & NOSE GEAR
1. Oil..... ADD (indicated on oil door)
  2. Engine Compartment..... INSPECT
  3. Fuel..... SUMP
  4. Nose Strut & Tire..... CHECK
  5. Cowling & Air Filter..... CHECK
  6. Alternator Belt..... CHECK
  7. Spinner & Prop..... CHECK
  8. Static Port..... CHECK
- f. LEFT WING..... INSPECT
1. Fuel Quantity..... CHECK & SECURE CAP
  2. Tie-Down..... REMOVE
  3. Stall Warning..... INSPECT
  4. Fuel Vent..... CHECK
  5. Wing Tip..... CHECK
  6. Fuel..... SUMP
  7. Main Gear..... CHECK
  8. Flap & Aileron..... CHECK

### BEFORE START

1. Exterior Preflight..... COMPLETE
2. Passenger Safety Brief..... COMPLETE
3. Seats..... ADJUSTED & LOCKED
4. Seatbelts & Shoulder harness..... ON
5. Doors..... CLOSED & LOCKED
6. Circuit Breakers..... IN
7. Fuel Shutoff Valve..... BOTH
8. Avionics..... OFF
9. Mixture..... IDLE CUT-OFF
10. Fuel Boost Pump..... OFF
11. Throttle..... CLOSED
12. Prop..... HIGH RPM
13. Master Switch..... OFF
14. Beacon..... ON
15. Brakes..... SET

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## Start - Runup

### ENGINE START

1. Carb Heat..... COLD
2. Mixture..... RICH
3. Fuel Boost Pump..... OFF
4. Throttle..... 1/8" OPEN
5. Prop..... HIGH RPM
6. Prop Area..... CLEAR
7. Master..... ON
8. Primer..... 2-5 strokes
9. Ignition Switch..... START
10. Oil Pressure & Engine Gags..... CHECK

### PRE-TAXI

1. Avionics..... ON
2. Avionics..... SET FREQ & TEST RADIOS
3. Flaps..... UP
4. Lights..... SET
5. Altimeter..... SET
6. Transponder..... ALT
7. ATIS..... RECEIVED
8. Mixture..... Ground Lean

### TAXI

Clear Area PRIOR to taxi

1. Cross Wind Control..... ESTABLISHED
2. Brakes..... TEST
3. Gyro Instrmnts..... CHECK when appropriate

### RUN-UP

1. Brakes..... SET
2. Doors..... CLOSED & LOCKED
3. Flight Controls..... FREE & CORRECT
4. Fuel Selector Valve..... BOTH
5. Trim..... Set for TAKEOFF
6. Mixture..... RICH or Best Power
7. Throttle..... 1700 RPM
- i. Engine Instruments..... CHECK
- ii. Suction..... CHECK (4.6 - 5.4")
- iii. Carb Heat..... CHECK
- iv. Ammeter..... CHECK
- v. Mags..... CHECK (Max Diff: 75 RPM)
8. Throttle..... 1900 RPM
9. Prop..... CYCLE (3x)
10. Throttle..... IDLE
11. (Throttle) Friction Lock..... SET
12. Flight Instruments..... SET
13. Radios..... SET
14. Transponder..... SET CODE

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## Takeoff

### PRE-TAKEOFF

1. Trim..... SET for takeoff
2. Fuel Boost Pump..... ON
3. Mixture..... RICH (lean above 3000')
4. Prop..... HIGH RPM
5. Lights..... As Required

### TAKEOFF

#### a. NORMAL TAKEOFF

1. Flaps.....0°
2. Carb Heat..... COLD
3. Throttle..... FULL (smoothly)
4. Rotate..... 60 MPH
5. Climb..... 85 MPH  
*at a safe altitude*
6. Throttle..... REDUCE to 25 MP
7. Prop..... REDUCE to 2500 RPM

#### b. MAX PERFORMACE TAKEOFF

1. Flaps.....0°
2. Carb Heat..... COLD
3. Mixture..... RICH or Best Power
4. Brakes..... HELD
5. Throttle..... FULL
6. Brakes.....RELEASE
7. Elevator Control..... Slightly tail low
8. Climb..... 66 MPH  
*at a safe altitude*
9. Throttle..... REDUCE to 25 MP
10. Prop..... REDUCE to 2500 RPM

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## Flight

### CLIMB

#### a. NORMAL CLIMB

1. Airspeed..... 80-90 MPH
2. Prop..... 2500 RPM
3. Throttle..... 23 MP
4. Mixture..... RICH (unless engine roughness)
5. Fuel Boost Pump..... OFF

#### a. MAX CLIMB

1. Airspeed..... 80 MPH
2. Prop..... 2500 RPM
3. Throttle..... 25 MP
4. Mixture..... RICH (unless engine roughness)
5. Fuel Boost Pump..... OFF

### Power INCREASE

*Prop --then-- Throttle*

### Power DECREASE

*Throttle --then-- Prop*

### CRUISE

1. Throttle..... 19-23 MP
2. Prop..... 2350 RPM
3. Trim..... ADJUST
4. Mixture..... LEAN

### AIRSPEDS

*Vg (best glide)..... 75 MPH (2000lbs)*

*at full gross -- 80 MPH*

Vy (best rate / time)..... 80 MPH

Vx (best angle / distance)..... 66 MPH

Va (manev speed)..... 114 MPH (2000lbs)

*at full gross -- 122 MPH*

Vs (w/o flaps)..... 57 MPH

Vso (w/ flaps)..... 49 MPH

Vne (never exceed)..... 174 MPH

### DESCENT

1. Mixture..... ENRICHEN
2. Throttle..... Suggested 15-19 MP
3. Prop..... As Required
4. Trim..... ADJUST

### PRE-LANDING

1. Mixture..... RICH
2. Throttle..... 19 MP (suggested)
3. Prop..... 2500 RPM
4. Fuel Selector..... BOTH
5. Fuel Boost Pump..... ON for landing
6. Carb Heat..... As Required
7. Airspeed..... 70-80 MPH (flaps up)
8. Flaps..... As Required
9. Airspeed..... 65-75 MPH (flaps down)
10. Prop (downwind)..... HIGH RPM

### LANDING

#### a. NORMAL LANDING

1. Fuel Boost Pump..... ON
2. Flaps..... As Required
3. Airspeed..... 65-75 MPH (flaps down)
4. Touchdown on Main Gear
5. Landing Roll..... Lower nosewheel gently
6. Braking..... minimum required

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### After Landing & Emergencies

#### AFTER LANDING & Clear of Rwy

1. Flaps..... UP (visually verify)
2. Carb Heat..... COLD
3. Mixture..... LEAN
4. Fuel Boost Pump..... OFF
5. Lights..... As Required
6. Trim..... TAKEOFF

#### SHUTDOWN

1. Throttle..... 1000 RPM
2. Avionics..... OFF
3. Lights & Switches..... OFF
4. Mixture..... IDLE CUT-OFF
5. Mags..... OFF
6. Master..... OFF
8. Control Lock..... INSTALLED
9. Pitot Tube Cover..... INSTALLED
10. Tie-Downs..... SECURED
11. Hobbs & Tach..... RECORD
12. Interior..... CLEANED & SECURED
13. Walk-Around Inspection..... COMPLETE
14. Aircraft..... LOCK

#### GO-AROUND

1. Power..... FULL
2. Carb Heat..... COLD
3. Fuel Boost Pump..... ON
4. Airspeed..... 80 MPH

#### PRECAUTIONARY LDG W/ POWER

1. Wing Flaps..... As Required
2. Airspeed..... 70 MPH (2000 lbs)
3. Selected Field..... Fly Over
4. Avionics & Eelectric..... OFF
5. Wing Flaps..... Final Setting
6. Airspeed..... 70 MPH
7. Master..... OFF
8. Doors..... UNLATCHED
9. Pax Seats & Seatbelts..... SECURE
10. Touchdown..... SLIGHTLY TAIL LOW
11. Brakes..... Apply Heavily

#### FIRE DURING START on Ground

1. Cranking..... CONTINUE IF ENG. STARTS
2. Throttle..... 1800 RPM (2 min)
3. Engine..... SHUTDOWN if no start

#### Fails to Start

4. Throttle..... OPEN
5. Mixture..... IDLE CUTOFF
6. Cranking..... CONTINUE
7. Fuel Shutoff Valve..... OFF
8. Fire Extinguisher..... ACTIVATE
9. Engine..... SECURE
10. Master Switch..... OFF
11. Ignition Switch..... OFF
12. Parking Brake..... SET
13. Airplane..... EVACUATE
14. Fire..... EXTINGUISH
15. Fire Damage..... INSPECT

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### Emergencies

#### ENGINE FIRE IN FLIGHT

1. Mixture..... IDLE CUTOFF
2. Fuel Selector Valve..... OFF
3. Master..... OFF
4. Cabin Air & Heat..... OFF
5. Airspeed..... 120 MPH
6. Emerg Landing w/o Power..... EXECUTE

#### ROUGH RUNNING ENGINE

1. Mixture..... LEAN or ENRICHEN
2. Fuel Boost Pump..... ON
3. Ignition Switch..... CYCLE MAGS
4. Reduce Climb Rate..... Better Cooling
5. Not Recovered..... LAND as soon as practical

#### ENGINE FAILURE DURING FLIGHT

1. Airspeed..... 70 MPH (2000 lbs)
  2. Fuel Selector Valve..... BOTH
  3. Mixture..... RICH
  4. Fuel Boost Pump..... ON
  5. Carb Heat..... ON
  6. Ignition Switch..... BOTH
- start if prop is stopped*
7. Primer..... IN & LOCKED

#### EMERG LANDING W/O POWER

1. Airspeed..... 65-75 MPH (flaps up)
2. Mixture..... IDLE CUTOFF
3. Fuel Selector Valve..... OFF
4. Ignition Switch..... OFF
5. Wing Flaps..... As Required
6. Doors..... UNLATCHED
7. Transmit..... 121.5
8. Squawk..... 7700
9. Master..... OFF
10. Pax Seats & Seatbelts..... SECURE
11. Touchdown..... SLGHTLY TAIL LOW
12. Brakes..... Apply Heavily

#### ELECTRICAL FIRE IN FLIGHT

1. Master Switch..... OFF
2. Vents, Cabin Air & Heat..... CLOSED
3. Fire Extinguisher..... ACTIVATE
4. Avionics & Radios..... OFF
5. All Switches (except ignition)..... OFF

#### IF FIRE EXTINGUISHED

6. Master Switch..... ON
7. Circuit Breakers..... IN (no reset)
8. Radios..... OFF
9. Radio & Electrical..... ON (1 at a time)
10. Vents, Cabin Air & Heat..... OPEN

#### CABIN FIRE

1. Master..... OFF
2. Vents, Cabin Air & Heat..... CLOSED
3. Fire Extinguisher..... ACTIVATE
4. LAND..... as soon as practical

#### WING FIRE

1. Nav, Landing, Taxi Lights..... OFF
2. Pitot Heat..... OFF
3. Strokes..... OFF

#### LOW VOLTAGE ANNUNCIATOR

1. Avionics & Radios..... OFF
2. Alternator Circuit Breaker..... CHECK IN
3. Master Switch..... OFF (both sides)
4. Master Switch..... ON (check ammeter)

#### EXCESSIVE RATE OF CHARGE

1. Alternator..... OFF
2. Nonessential Electrical Equip..... OFF
3. Flight..... Terminate ASAP