

# N7798E CHECK LIST

## PRE-FLIGHT INSPECTION

### CABIN

- Document A.R.R.O.W
- Control Lock – REMOVE
- Ignition Switch – OFF
- Master Switch – ON
- Fuel Quantity – CHK
- NAV LT - CHK
- STALL HORN- CHK
- Master Switch – OFF
- Fuel shutoff valve – ON
- Flaps – DOWN

### EMPENNAGE

- Empennage surface – CHK
- Horizontal stabilizer – SECURE
- Elevator – FREE & SECURE
- Rudder – FREE & SECURE
- Tail tie-down – DISCONNECT
- Lights & Antenna – CHK
- ELT Antenna – CHK

### RIGHT WING

- Flap – FREE & SECURE
- Aileron – FREE & SECURE
- Lights & Wingtip – CHK
- Leading edge – CHK
- Wing tie-down – DISCONNECT
- Main Wheel, Breaks, Tire 30psi– CHK
- Fuel tank sump drain – SAMPLE
- Fuel quantity – VISUAL CHK
- Fuel filler cap – SECURE

### NOSE

- Engine oil – MIN 4 qts. MAX 6 qts.
- Belly Strainer drain – SAMPLE/ CHK
- Prop/Spinner – CHK
- Air filter – CHK CLEAR
- Nose strut/tire 30psi– CHK
- Static port – CHK OPEN

### LEFT WING

- Wheel, Breaks, Tire 30psi– CHK
- Fuel tank sump drain – SAMPLE
- Fuel quantity – VISUAL CHK
- Fuel filler cap – SECURE
- Pitot tube – CHK
- Stall warning – CHK Damage
- Fuel tank vent – OPEN
- Wing tie-down – DISCONNECT
- Leading edge – CHK
- Landing Lights/Wingtip – CHK
- Aileron – FREE & SECUR
- Flaps – FREE & SECURE

### BEFORE STARTING ENGINE

- Passengers briefed, seatbelt - ON
- Fuel shutoff valve – ON
- Radio/Transponder - OFF
- Electrical Equipment – OFF
- Fuse & breakers – CHK IN
- Brakes – SET (Use Toe Brakes)

### STARTING ENGINE

- Mixture – RICH
- Throttle – OPEN 1/8”
- Carb heat – OFF
- Prime – 2 PUMPS/Cold 4 PUMPS
- Master switch -- ON
- Beacon Light – ON
- Prop Area – CLEAR
- MAGs - BOTH
- Ignition – START
- Oil Pressure – CHK GREEN
- Mixture – LEAN ¼ INCH TAXI
- ALT FIELD Switch - ON
- Transponder – ON /ALT
- NAV LT – ON (ADSB IN Req'd)
- Radio – ON/SET
- Wing Flaps – UP
- GDL-50 ADSB OUT – ON/Paired
- Altimeter & PFD – SET ELV/  
BARO
- DG – SET HDG COMPASS

### BEFORE TAKE OFF (RUN-UP)

- Doors – CLOSED/LATCHED
- Brakes – SET (Use Toe Brakes)
- Flight controls - FREE/CORRECT
- Fuel Shutoff valve – ON
- Flight instruments – SET (ALT/DG)
- Mixture – FULL RICH
- Trim – SET FOR TAKEOFF
- Throttle – 1800 RPM  
Oil Pres./ Oil Temp. – IN GREEN CHK  
ALT FIELD Switch - OFF BUSV. – 13.3-14.2V  
Mags – 125 MAX DROP / 75 DIFF  
Carb Heat ON– 100-150 RPM DROP  
Throttle to Idle – W/ CARB HEAT ON  
Carb Heat OFF – 650 RPM
- Throttle – Back to 1000 RPM
- Radios – SET (CTAF OR TOWER)
- Transponder & NAV LT– ALT & ON
- LD Lights – ON AS REQ
- Throttle friction lock – ADJ
- Garmin 660 – Flight Plan Set

### NORMAL TAKEOFF

- Mixture – RICH
- Wing flaps - 0°
- Carb heat – OFF
- Throttle – FULL RPM
- ROTATE @ 55 IAS
- Climb Speed @ 75- 80 IAS

### ENROUTE CLIMB

- Mixture - RICH
- Throttle – FULL RPM

### CRUISE

- Throttle - 2300 -2500 RPM (65%-75%)
- Elevator - TRIM
- Mixture – LEANED
- Engine instr. - CHK
- CARB HEAT - MONITOR

### DESCENT

- ATIS/AWOS – Obtain
- Altimeter – Set
- Mixture – As Req
- Radio/Lights – SET / ON
- Approach Briefing...

### BEFORE LANDING

- Seatbelts, harnesses - ON
- Mixture – RICH OR DENSITY ALT
- Radio/Lights – SET / ON

### LANDING

- FUEL Value - ON
- Throttle - 1500 RPM
- CARB HEAT - ON
- FLAPS - AS REQ
- Approach Airspeed – 80/70/60 IAS
- Braking – MINIMUM REQ'D  
C-GUMPS ON FINAL

### AFTER LANDING/TAXI

- Wing Flaps – UP
- Carb heat – COLD
- Lights – AS REQ
- Mixture - LEAN ¼ INCH

### SECURING AIRCRAFT

- Brakes – ON
- Throttle - 1000 RPM
- ALL LIGHTS - OFF
- ALT FIELD - OFF
- Radios/Transponder – OFF
- Mixture – IDLE/CUTOFF
- Magnetos—OFF KEYS OUT
- Master switch – OFF
- Garmin GDL 50 & 660 - OFF
- Electrical switches – OFF
- Control lock/COVER – INSTALL
- HOBBS & TACH TIME – RECORD

### V-Speeds in MPH – SEE POH

VR- 55 IAS  
VX - 64 IAS  
VY - 71 IAS  
VA - 106 IAS (@ Gross)  
Best Glide – 70 IAS  
XW Demo – 13 KTS

EMER: 121.5 PNW PRAC AREA: 122.75

BOEING ATIS: 127.75 | GRD: 121.9 | TWR 14L/32R – 118.3 14R/32L – 120.6  
RENTON ATIS: 126.95 | GRD: 121.6 | TWR 124.7 KTIW ATIS:124.05 |CTAF118.5  
KAWO AWOS: 135.625 | CTAF: 122.725 AUBURN CTAF: 122.975

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# N7798E CHECK LIST

## EMERGENCY CHECKLIST

### ENGINE FAILURE AFTER TAKEOFF

1. Lower **NOISE**
2. Airspeed – **60 IAS**
3. Mixture – **IDLE/CUTOFF**
4. Fuel valve – **OFF**
5. Ignition switch – **OFF**
6. Doors – **OPEN**

### ENGINE FAILURE DURING FLIGHT

1. Airspeed – **60 IAS**
2. Carb heat – **ON**
3. Primer – **IN & LOCKED**
4. Fuel valve – **ON**
5. Mixture – **RICH**
7. MAGs -**BOTH**
8. Ignition – **START**

### LANDING W/O POWER

1. Airspeed – **60 IAS**
2. Mixture – **IDLE/CUTOFF**
3. Fuel valve – **OFF**
4. Mag's switch – **OFF**
5. Alt Field Switch - **OFF**
6. Wing Flaps – **AS REQUIRED**
7. Master switch – **OFF**
8. Doors – **OPEN BEFORE LANDING**
9. Touchdown – **TAIL LOW**
10. Brakes – **APPLY HEAVILY**

### ENGINE FIRE ON GROUND

1. **CRANKING TO START**
2. **Engine Start – 1700 RPM**  
**2 Mins & THEN SHUT DOWN**
3. **No Start – SHUTDOWN**
  - **THROTTLE FULL OPEN**
  - **MIXTURE IDLE CUTOFF**
  - MASTER SWITCH OFF**
  - IGNITION OFF**
  - FUEL VALVE OFF**

### ENGINE FIRE IN FLIGHT

1. Mixture – **IDLE/CUTOFF**
2. Fuel valve – **OFF**
3. Master switch – **OFF**
4. Cabin Heat – **OFF**

5. Airspeed – **85 IAS TO EXTINGUISH FIRE**
6. Forced landing – **EXECUTE**

### ELECTRICAL FIRE IN FLIGHT

1. Master switch – **OFF**
2. All other switches (except ignition) **OFF**
3. Vents/cabin air/heat – **OFF**
4. Fire extinguisher – **ACTIVATE**

### WHEN FIRE APPEARS OUT

1. Master switch – **ON**
2. Circuit breakers – **CHK**  
**DON'T RESET**
3. Radio & Electric – **ON**  
**ONE AT A TIME**
5. **VENTILATE CABIN**
6. **TERMINATE FLIGHT**

### LOW VOLTAGE LIGHT/BUS.V Below 13v

1. AC-30 Bus Voltage (under 13) - **CHK**
2. ALT FIELD switch – **OFF**
3. ALT FIELD switch – **ON**
4. AC-30 Bus Voltage–Rises to 13.8 cont. flight
  - a If Still Low <12.5, continue Checklist:
5. Alt Field & Master switch – **OFF**
6. Master switch & Alt Field – **ON**
7. AC-30 Bus Voltage – If under to 12.5
8. Electrical load – **REDUCE**  
(Lights, Transponder, GPS)
9. **TERMINATE FLIGHT**

### LOW/HIGH Oil Pressure

1. Oil Pressure – **CHECK**
2. Oil Temp – **CHECK**
  - a **Oil Temp is normal** - Possible issue w/Sensor
  - b **Oil Temp Is Rising** – Possible issues w/ Engine
7. Mixture – **RICH**
8. **TERMINATE FLIGHT**

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