



# PIPER WARRIOR I CHECKLIST

## PREFLIGHT

### INTERIOR

- CONTROL WHEEL LOCK.....REMOVE
- ARROW DOCUMENTS.....CHECK
- HOBBS/TACH TIME.....RECORD
- MAGNETOS.....OFF
- MASTER SWITCH.....ON
- EXTERIOR LIGHTS.....CHECK
- MASTER SWITCH.....OFF
- FLAPS.....DOWN
- ALT STATIC.....OFF
- PITOT LINES.....DRAIN
- FUEL SELECTOR.....PROPER TANK
- FIRE EXTINGUISHER.....CHECK

### RIGHT WING

- FLAP.....CHECK
- AILERON.....CHECK
- WINGTIP.....CHECK
- LEADING EDGE.....CHECK
- TIEDOWN.....REMOVE
- TIRE.....CHECK
- BRAKE.....CHECK
- STRUT.....CHECK
- FUEL SUMP.....DRAIN
- FUEL QUANTITY.....VISUALLY VERIFY
- FUEL FILLER CAP.....SECURE
- CABIN AIR INLET.....CHECK

### NOSE

- WINDSCREEN.....CHECK
- OIL LEVEL.....CHECK
- FUEL SUMP.....DRAIN
- PROPELLER & SPINNER.....CHECK
- ALTERNATOR BELT.....CHECK
- ENGINE AIR INLETS.....CHECK
- TIRE.....CHECK
- STRUT.....CHECK
- BRAKE FLUID.....CHECK LEVEL

### LEFT WING

- CABIN AIR INLET.....CHECK
- LEADING EDGE.....CHECK
- TIRE.....CHECK

- BRAKE.....CHECK
- STRUT.....CHECK
- FUEL SUMP.....DRAIN
- FUEL QUANTITY.....VISUALLY VERIFY
- FUEL FILLER CAP.....SECURE
- TIEDOWN.....REMOVE
- PITOT MAST.....CHECK
- STALL TAB.....CHECK
- WINGTIP.....CHECK
- AILERON.....CHECK
- FLAP.....CHECK

### EMPENNAGE

- ANTENNAS.....CHECK
- STABILATOR.....CHECKED
- ANTI-SERVO TAB.....CHECKED
- RUDDER.....CHECK
- TAIL TIE DOWN.....REMOVE
- BAGGAGE DOOR.....CLOSED

### BEFORE ENTERING AIRCRAFT

- ALL TIEDOWNS.....CHECK REMOVED
- CHOCKS.....CHECK REMOVED AND OUT OF PATH
- PITOT COVER.....CHECK REMOVED
- SURROUNDING AREA.....CLEAR OF OBSTRUCTIONS

## NORMAL PROCEDURES

### BEFORE START

- PREFLIGHT INSPECTION.....COMPLETE
- PASSENGER BRIEFING.....COMPLETE
- SEATS & SEAT BELTS.....ADJUSTED & FASTENED
- FUEL SELECTOR.....PROPER TANK
- CIRCUIT BREAKERS.....CHECK IN
- FLIGHT CONTROLS.....PROPER OPERATION
- MASTER SWITCH.....OFF
- AVIONICS SWITCH.....OFF
- MASTER SWITCH.....ON
- BEACON.....ON
- NAV LIGHTS.....AS REQUIRED

### ENGINE START

- THROTTLE.....1/4" OPEN
- FUEL PUMP.....ON
- MIXTURE.....FULL RICH
- ENGINE.....PRIME

### IF HOT START - DO NOT PRIME

- PROPELER AREA.....CLEAR
- BRAKES.....HOLD
- MAGNETOS.....START
- THROTTLE.....1000 RPM
- OIL PRESSURE.....CHECK GREEN
- AMPS.....POSITIVE CHARGE
- ANNUNCIATORS.....EXTINGUISHED
- MIXTURE.....LEAN FOR TAXI
- FLAPS.....RETRACT

### AFTER START/BEFORE TAXI

- AVIONICS.....ON
- GPS DATABASE.....VERIFY CURRENCY
- COMMS.....SET
- ATIS/AWOS.....OBTAIN
- ALTIMETER.....SET
- FLIGHT PLAN.....SET
- TRANSPONDER.....1200/ASSIGNED
- TAXI CLEARANCE.....OBTAINED

### WHILE TAXIING

#### \*BRIEF PRIOR TO RELEASING BRAKES AND COMPLETE WHILE TAXIING\*

- TAXI.....BRIEF
- TAXI LIGHT.....ON
- BRAKES.....TEST
- STEERING.....CHECKED
- FLIGHT INSTRUMENTS.....CHECKED

### RUN UP

- BRAKES.....HOLD
- MIXTURE.....FULL RICH
- THROTTLE.....2000 RPM
- MAGNETOS.....CHECK DROP
- CARB HEAT.....CHECK DROP
- VACUUM (IF APPLICABLE).....CHECK
- OIL TEMPERATURE.....CHECK
- OIL PRESSURE.....CHECK
- AMPS/VOLTS.....CHECK
- THROTTLE.....IDLE THEN 1000 RPM

### BEFORE TAKEOFF

- DEPARTURE BRIEFING.....COMPLETE
- FUEL PUMP.....ON
- CARB HEAT.....OFF
- ALTITUDE BUG.....SET
- FLIGHT INSTRUMENTS.....CHECK
- STANDBY INSTRUMENTS.....CHECK
- ANNUNCIATORS.....CHECK
- FUEL SELECTOR.....PROPER TANK
- ENGINE INDICATIONS.....CHECK
- SEAT BACKS.....ERECT
- SEATS.....ADJUSTED AND LOCKED IN POSITION
- SEAT BELTS.....FASTENED
- FLAPS.....SET
- TRIM.....TAKEOFF
- CONTROLS.....FREE AND CORRECT
- DOOR AND WINDOW.....LATCHED
- LIGHTS.....AS REQUIRED
- PITOT HEAT.....AS REQUIRED

### CLIMB (1,000FT AGL)

SPEED .....87 KIAS  
 FUEL PUMP .....OFF  
 FLAPS .....RETRACTED

### CRUISE

THROTTLE .....SET PER POWER TABLE  
 MIXTURE .....LEAN AS REQUIRED  
 ENGINE INSTRUMENTS .....CHECKED  
 LIGHTING .....AS REQUIRED

### DESCENT/BEFORE LANDING

ATIS/AWOS .....OBTAIN  
 ALTIMETER .....SET  
 COMMS/NAV RADIOS & AVIONICS .....CHECKED & SET  
 APPROACH .....BRIEFED  
 SEAT BACKS .....ERECT  
 SEAT BELTS .....FASTENED  
 MIXTURE .....FULL RICH  
 LIGHTING .....AS REQUIRED  
 FUEL PUMP .....ON  
 CARB HEAT .....AS REQUIRED  
 PARK BRAKE .....VERIFY OFF  
 TOE BRAKES .....DEPRESS TO CHECK

### AFTER LANDING (FLOW THEN VERIFY)

COMMS .....MONITOR GROUND (WHEN APPLICABLE)  
 FLAPS .....RETRACT  
 MIXTURE .....LEAN  
 FUEL PUMP .....OFF  
 PITOT HEAT .....OFF  
 LIGHTING .....AS REQUIRED

### SHUTDOWN

AVIONICS .....OFF  
 ELECTRICAL SWITCHES (EXCEPT BEACON) .....OFF  
 THROTTLE .....IDLE  
 MAGNETOS .....GROUND CHECK  
 THROTTLE .....1200 RPM  
 MIXTURE .....IDLE CUTOFF  
 THROTTLE .....CLOSED  
 MAGNETOS .....OFF  
 KEY .....OUT OF IGNITION  
 INTERIOR LIGHTS .....OFF  
 MASTER SWITCH .....OFF  
 CONTROL LOCK .....INSTALLED  
 PITOT COVER, COWL PLUGS .....INSTALLED  
 TIEDOWNS .....SECURED  
 HOBBS/TACH TIME .....RECORDED  
 DISPATCH LOG .....COMPLETED

## EMERGENCY PROCEDURES

### POWER LOSS IN FLIGHT

AIRSPEED .....74 KIAS  
 BEST FIELD  
 FUEL PUMP .....ON  
 MIXTURE .....FULL RICH  
 CARB HEAT .....ON  
 FUEL SELECTOR .....SWITCH  
 MAGNETOS .....CHECK ALL

### IF NO RESTART & TIME PERMITS

TRANSPONDER .....7700  
 ATC .....DECLARE EMERGENCY  
 MIXTURE .....IDLE CUTOFF  
 FLAPS .....AS REQUIRED  
 MASTER & MAGNETOS .....OFF  
 DOOR .....UNLATCHED

### ELECTRICAL FIRE IN FLIGHT

ALL ELECTRICAL + MASTER .....OFF  
 VENTS/HEAT/AIR .....CLOSED  
 AVIONICS MASTER .....OFF

### IF FIRE OUT

MASTER .....ON IF CRITICAL  
 ESSENTIAL ELECTRICAL .....ON ONE AT A TIME  
 CIRCUIT BREAKER(S) .....RESET ONLY IF CRITICAL

### ENGINE FIRE IN FLIGHT

MIXTURE .....IDLE CUTOFF  
 FUEL SELECTOR .....OFF  
 FUEL PUMP .....OFF  
 MASTER .....OFF  
 CABIN HEAT/AIR .....OFF  
 AIRSPEED .....>100 KIAS TO EXTINGUISH

### LAND AS SOON AS POSSIBLE

### ENGINE FIRE DURING START

STARTER .....CONTINUE CRANKING

### IF START

THROTTLE .....RUN FOR A FEW SECONDS  
 ENGINE .....SHUTDOWN & INSPECT DAMAGE

### IF NO START

MIXTURE .....IDLE CUTOFF  
 FUEL SELECTOR .....OFF  
 THROTTLE .....FULL OPEN  
 STARTER .....CONTINUE CRANKING  
 MASTER .....OFF  
 MAGNETOS .....OFF

### EVACUATE!

**RJC (ECHO): 131.40**

**V<sub>SO</sub> : 50 KIAS**

**V<sub>S1</sub> : 56 KIAS**

**V<sub>r</sub> : 55 KIAS**

**V<sub>x</sub> : 66 KIAS**

**V<sub>g</sub> (max gross) : 74 KIAS**

**V<sub>y</sub> : 76 KIAS**

**V<sub>a</sub> (max gross) : 108 KIAS**

**V<sub>NO</sub> : 122 KIAS**

**V<sub>NE</sub> : 153 KIAS**

**V<sub>FE</sub> : 109 KIAS**

### SHORT FIELD TAKEOFF

25° Flaps - Rotate at 50 KIAS - Climb at barrier speed  
 until clear of obstacle - accelerate to V<sub>y</sub>

### SOFT FIELD TAKEOFF

25° Flaps - Full back pressure - Rotate at slowest speed  
 - accelerate to V<sub>y</sub> in ground effect

**THIS CHECKLIST IS FOR CONVENIENCE ONLY AND  
 DOES NOT REPLACE THE POH. USE IS AT THE  
 OWN RISK OF THE PILOT IN COMMAND.**

**ABNORMAL PROCEDURES CAN BE  
 FOUND IN THE POH**