

# PIPER PA28-161 WARRIOR NORMAL CHECKLISTS

## PREFLIGHT INSPECTION

### PREFLIGHT–Cabin

- A-R-O-W Papers ..... Checked
- Control Lock ..... Remove
- Magnetos ..... Off
- Mixture..... Idle Cutoff
- Avionics / Electrical ..... Off
- Master Switch..... On
- Fuel Gauges..... Check Quantity
- Beacon ..... Check
- Exterior Lights / Pitot Heat ..... Check
- Annunciator Lights ..... Test
- Electric Gyros..... Spooling
- Master Switch..... Off
- Wing Flaps ..... Down

### PREFLIGHT–Right Wing

- Flap ..... Check
- Elevator ..... Check
- Wing Tip ..... Check
- Wing Leading Edge..... Check
- Fuel Level..... Check
- Fuel Vent..... Check
- Fuel Sump..... Check
- Gear / Tire / Brake..... Check
- Tiedown..... Remove

### PREFLIGHT–Nose

- Windshield..... Check Clean
- Engine Oil..... Check
- Alternator Belt..... Check
- Cowl (right side) ..... Secure
- Exhaust Pipe ..... Secure
- Propeller Spinner ..... Check
- Propeller..... Check for nicks
- Air Intake Cover ..... Remove
- Air Intake ..... Check
- Brake Fluid..... Check
- Cowl (Left Side)..... Secure
- Nose Gear / Strut / Tire ..... Check

## PREFLIGHT INSPECTION CONT.

### PREFLIGHT–Left Wing

- Fuel Sump..... Check
- Gear / Tire / Brake ..... Check
- Tiedown ..... Remove
- Fuel Vent..... Check
- Pitot Tube..... Check
- Wing Leading Edge ..... Check
- Fuel Level ..... Check
- Wing Tip..... Check
- Aileron..... Check
- Wing Flap..... Check
- Fuselage ..... Check

### PREFLIGHT– Empenage

- Stabilator..... Check
- Trim Tab..... Check
- Vertical Stabilizer ..... Check
- Rudder ..... Check
- Tiedown ..... Remove
- Fuselage ..... Check

## PASSENGER BRIEFING

- No Step Areas
- Seat & Belt Adjustments
- No Touch Controls & Instruments
- I will close and lock door
- Emergency Exit Procedure
- Vent & Heat Locations
- Intercom Operation
- Quiet During Radio Calls
- Look for Traffic

# PIPER PA28-161 WARRIOR NORMAL CHECKLISTS

## BEFORE START CHECKLIST

- Preflight & Passenger Briefing ..... Complete
- Cell Phones ..... Off
- Wing Flaps ..... Up
- Seats / Belts / Harnesses ..... Adjusted & Locked
- Fuel Selector ..... Lowest Tank
- Avionics Master Switch ..... Off
- Circuit Breakers ..... Check In
- Brakes ..... Hold

## STARTING ENGINE CHECKLIST

- Carburetor Heat ..... Cold
- Mixture ..... Rich
- Throttle ..... Open 1/2 Inch
- Prime ..... 4 Pumps
- Master Switch ..... On
- Rotating Beacon ..... On
- Fuel Pump ..... On (Check Pressure)
- Propeller Area ..... CLEAR
- Ignition Switch ..... Start
- Throttle ..... 1,000 RPM Max
- Oil Pressure ..... Check
- Fuel Pump ..... Off
- Fuel Pressure ..... Check
- Mixture ..... Lean For Taxi

## AFTER START CHECKLIST

- Avionics Master Switch ..... On
- ATIS ..... Obtain
- Altimeter ..... Set
- Heading Indicator ..... Set
- Transponder ..... STBY
- Brakes ..... Test

## TAXI CHECKLIST

- Brakes ..... Test
- Turn Coordinator, Attitude Indicator, HI ..... Operating

## BEFORE TAKEOFF CHECKLIST

- Parking Brake ..... Set
- Doors and Windows ..... Closed & Latched
- Flight Instruments ..... Set & Checked
- Flight Controls ..... Free & Correct
- Fuel Selector ..... Fullest Tank
- Elevator and Rudder Trim ..... Set
- Mixture ..... Rich
- Throttle ..... 2000 RPM
  - Magnetos ..... Check (125 RPM Max Drop)
  - Ammeter ..... Check
  - Engine Gauges ..... Check
  - Annunciator Panel ..... Check
  - Suction Gauge ..... Check
  - Carburetor Heat ..... Check for RPM Drop
  - Throttle ..... 1000 RPM
- Flaps ..... 0°-25°
- Radios ..... Set
- Fuel Pump ..... On
- Parking Brakes ..... Release

## ----- CLEARED FOR TAKEOFF -----

- Departure Time ..... Record
- Instruments ..... Check
- Transponder ..... ALT
- Landing Light ..... On
- Strobe Lights ..... On

## NORMAL TAKEOFF

- Power ..... Full Throttle
- Rotate ..... 55 KIAS
- Vy ..... 79 KIAS
- Flaps ..... Retract at 300 ft AGL
- Climb Speed ..... 79-87 KIAS
- Fuel Pump ..... Off at 1000 ft AGL

# PIPER PA28–161 WARRIOR NORMAL CHECKLISTS

## AFTER TAKEOFF CHECKLIST

- Oil Pressure ..... Check
- Fuel Pump ..... Off (Above 1,000 feet)
- Fuel Pressure ..... Check
- Flaps ..... Up

## CRUISE CHECKLIST

- Engine Gauges ..... Green
- Landing Light ..... Off
- Power ..... Set per AFM
- Mixture ..... 50 degrees rich of peak EGT
- Fuel Tank (each 1/2 / 1 hour) ..... Switch

## DESCENT CHECKLIST

- Seats & Belts ..... Secure
- Fuel Selector ..... Fullest Tank
- Mixture ..... Enrich
- Engine Gauges ..... Green
- Avionics ..... Set
- Aircraft Lights ..... As Required
- Pitot Heat ..... As Required

## BEFORE LANDING CHECKLIST

- GUMPS check ..... Complete
- Fuel Pump ..... On
- Fuel Selector ..... Fullest Tank
- Landing Light ..... On
- Seat Belts / Harnesses ..... On
- Flaps ..... As Required
- Mixture ..... Rich (Below 3000' MSL)
- Carburetor Heat ..... As Required
- Normal Approach ..... 65 KIAS
- Short / Soft Field Approach ..... 55 KIAS

## GO AROUND

- Power ..... Full Throttle
- Carburetor Heat ..... Off
- Wing Flaps ..... 1st Notch
- Wing Flaps ..... Up
- ATC ..... Advise

## AFTER LANDING CHECKLIST

- Exterior Lights ..... As Required
- Fuel Pump ..... Off
- Pitot Heat ..... Off
- Carburetor Heat ..... Off
- Transponder ..... STBY
- Mixture ..... Lean for taxi
- Wing Flaps ..... Up
- Elevator Trim ..... Takeoff

## PARKING CHECKLIST

- Avionics Master ..... Off
- Panel Lights ..... Off
- Mixture ..... Idle Cutoff
- Master Switch ..... Off
- Magneto Switch ..... Off
- Cabin Air ..... Closed
- Hobbs / Tach Time ..... Record

## SECURING AIRCRAFT CHECKLIST

- Master Switch ..... Off
- Seat Belts ..... Straightened
- Garbage ..... Removed from cabin
- Wing Flaps ..... Up
- Air Inlet ..... Closed on both sides
- Control Wheel ..... Secure with seatbelt
- Cabin Door ..... Locked
- Cargo Door ..... Locked
- Aircraft Covers & Intake Covers ..... Installed
- Tiedowns ..... Secured
- Cell Phones ..... On

# PIPER PA28-161 WARRIOR EMERGENCY CHECKLIST

*FLY THE AIRPLANE – SILENCE THE WARNING –  
CONFIRM THE EMERGENCY*

## ENGINE FAILURE DURING TAKEOFF

- Throttle ..... Closed
- Brakes ..... Apply
- Mixture ..... Idle Cutoff
- Ignition Switch ..... Off
- ATC ..... Advise
- Master Switch ..... Off

## ENGINE FAILURE AFTER TAKEOFF

- Airspeed ..... Safe Airspeed
- Flaps ..... Up
- Mixture ..... Rich
- Carburetor Heat ..... On
- Fuel Pump ..... On
- Fuel Selector ..... Switch Tanks
- ATC ..... Advise

## ENGINE FAILURE IN FLIGHT

- Airspeed ..... 73 KIAS
- Carburetor Heat ..... On
- Mixture ..... Rich
- Master Switch ..... On
- Fuel Pump ..... On
- Fuel Selector ..... Switch Tanks
- Magnetos ..... Both
- Primer ..... Locked
- Ignition Switch ..... Restart
- ATC ..... Advise

## LANDING WITHOUT ENGINE POWER

- Airspeed ..... 73 KTS
  - Transponder ..... 7700
  - COM Radio ..... MAYDAY on 121.50
  - ELT ..... On
- Below 500 ft.**
- Mixture ..... Idle Cutoff
  - Master Switch ..... Off
  - Magnetos ..... Off
  - Fuel Selector ..... Off
  - Flaps ..... As Needed
  - Cabin Door ..... Ajar

## ENGINE FIRE

### During Start:

- Continue Cranking Engine
- **If Engine Starts:**
  - Run a few seconds. Shutdown. Inspect
- **If No Start:**

- Mixture ..... Idle Cutoff
- Fuel Selector ..... Off
- Throttle ..... Full Open
- Engine ..... Crank a few seconds
- Master & Mags ..... Off
- **EVACUATE AIRCRAFT**

### In Flight :

- Fuel Selector ..... Off
- Throttle ..... Closed
- Mixture ..... Idle Cut-off
- Magnetos ..... Off
- Cabin Heat & Air ..... Off
- ATC ..... Advise
- **LAND AT NEAREST SUITABLE AIRPORT**

## ELECTRICAL FIRE

- Master Switch ..... Off
- Cabin Heat and Air ..... Off
- Circuit Breakers ..... Check
- All Electrical Switches ..... Off
- **If electrical power required:**
  - Master Switch ..... On
  - Electrical Switches ..... On 1 at a time
- ATC ..... Advise

## ALTERNATOR-LOW VOLTAGE

- Electrical Load ..... Reduce
- Alternator Circuit Breaker ..... Verify In
- ALT Switch ..... Off then On
- **If unable to restore alternator:**
  - ALT Switch ..... Off
- **LAND AT NEAREST SUITABLE AIRPORT**

## FLIGHT INTO ICING CONDITIONS

- Pitot Heat ..... On
- Carburetor Heat ..... On
- Alternate Static Air ..... On
- Cabin Heat & Defrost ..... On
- Direction and / or Altitude ..... Change