

**Piper Warrior
Preflight Inspection**

Cabin:

Documents.....Check
 A – Airworthiness
 Certificate
 R – Registration
 (Federal and State)
 O – Operating
 Manual (POH)
 W – Weight and
 Balance
Control Wheel Lock... Remove
Magnetos.....OFF
Avionics.....OFF
Master Switch.....ON
Fuel Quantity.....Verify
Required Lights.....Operable
Pitot heat.....Check
Flaps.....Full
Master Switch.....OFF

Exterior:

Empennage:
Baggage Door.....Secure
Empennage.....Inspect
Elevator.....Check
Rudder.....Inspect
Trim Tab.....Inspect
Elevator.....Check
VOR Antenna.....Inspect

Empennage.....Inspect

Left Wing:

Wing upper Surface.....Inspect
Flap.....Check Security
Aileron.....Check
Wing Tip.....Inspect
Leading Edge.....Inspect
 a. Pitot Tube
 b. Static Port
 c. Fuel Vent
 d. Stall Horn
 e. Landing Gear and
 Brakes
 f. Sump fuel
 g. Fuel Level Visually
 Inspect

Nose:

Propeller.....Inspect
Air Intake.....Check Clear
Nose Wheel.....Inspect
Oil.....4-6 Quarts

Right Wing:

Fuel Tank.....Sump
Leading Edge.....Inspect
 a. Fuel Sump
 b. Landing Gear and
 Brakes
 c. Fuel Vent
 d. Fuel Level Visually
 Inspect

Wing Tip.....Inspect
Aileron.....Check
Flap.....Check Security
Flaps.....Up

Tie Downs.....Removed?

Before Engine Start:

Doors.....Closed and Latched
Seat Belts.....Secure
Fuel Selector Valve.....Fullest
Tank
Avionics Power.....OFF
Brakes.....Hold/Set
Circuit Breakers.....Check

Engine Start:

Normal:

Master Switch.....ON
Beacon.....ON
Mixture.....Rich
Throttle.....Pump Twice
then crack 1/8 in.
Crank.....3-5 Blades

NOTE:

**If engine doesn't start within
3-5 turns of the prop stop
cranking and try something
new**

Hot Start:

Master Switch.....ON
Beacon.....ON
Mixture.....Rich
Throttle.....Crack
Crank.....3-5 Blades

Cold Start:

Master Switch.....ON
Beacon.....ON
Mixture.....Rich
Fuel Pump.....On
Prime.....5 Strokes
Throttle.....5 Pumps
then crack 1/8 in.
Crank.....3-5 Blades

NOTE:

**It should be minimal time
from priming to cranking
(10-15 Seconds Max)**

Flooded:

Master Switch.....ON
Magnetos.....Both
Beacon.....ON
Mixture.....Idle
Throttle.....Half
Crank.....3-5 Blades

Note:

When performing a flooded start, begin to crank and as the engine begins to fire enrichen the mixture slowly but appropriately as needed to keep the engine running

After Engine Start:

Engine Instruments.....Green
Mixture.....Lean
Avionics.....On
Listen to the Weather
Set Altimeter
Taxi

Run-Up:

Brakes.....Hold
Doors and Windows.....Closed
Seat Belts.....Latched
Flight Controls.....Free and Correct
Annunciators.....Test
Trim.....Set for Takeoff

Fuel Selector.....Fullest Tank
Mixture.....Rich
Throttle.....1700RPM
 a. Magnetos
 b. Carb. Heat
 c. Engine Instruments
 d. Suction Gage
Load Meter.....Charging
Throttle.....Idle then 1000RPM
Brakes.....Release

Before Takeoff:

Lights.....As Required
Fuel Pump.....On
Heading Indicator.....Set to Runway Heading

Cruise:

Power.....Set
Fuel Pump.....Off
Mixture.....Lean
Switch Tanks.....30min Intervals
Heading Indicator.....Set

Descent:

Seat Belts.....Secure
Fuel Selector.....Fullest Tank
Mixture.....Enrichen

After landing:

Flaps.....Up
Carburetor heat.....Off
Mixture.....Lean
Trim.....Set for Take Off

Shutdown:

Mags.....Check
Avionics.....Off
Lights.....Off
Throttle.....Idle
Mixture.....Idle/cutoff
Master.....Off
Mag.....Off
Flight Plan.....Closed
With FSS or 1-800-992-7433

Engine Failure in Flight:

- Airspeed.....65 MPH
 - a. Area to Land and turn towards
 - b. Decide if you have time to troubleshoot

If time allows:

- Mixture.....Rich
- Fuel Pump.....On
- Carb. Heat.....On
- Fuel Valve.....Switch Tanks
- Starter.....Only if Prop is stopped
- Mags.....Try each individually

If time does NOT allow:

- Mixture.....Idle/cutoff
- Fuel Selector Valve.....Off
- Master Switch.....Off
- Doors.....Unlatched
- Forced Landing

Engine Fire on the Ground:

- Starter.....Keep Cranking

If engine starts:

- Power.....1700 For 2 Minutes
- Engine.....Shutdown and Inspect

If engine fails to start:

- Throttle.....Full open
- Mixture.....Idle/Cut-off
- Master.....Off
- Ignition.....Off
- Fuel Valve.....Off

EXIT AIRCRAFT

- Fire Extinguisher. If Applicable
- Call Fire Department if Flames continue

Engine Fire in flight:

- Mixture.....Idle/cutoff
- Fuel Valve.....Off
- Master.....Off
- Airspeed.....100 KIAS
- Emergency Descent....Execute
- Forced Landing

Cabin Fire:

- Master Switch.....Off
- Fire Extinguisher....If practical
- Emergency Descent....Execute
- Forced Landing

Electrical Fire:

- Master Switch.....Off
- Avionics.....Off
- All Switches.....Off
- Fire Extinguisher....If Practical
- Emergency Descent....Execute
- Forced Landing

Radio Examples:

Taxi:

Magic City Ground Warrior 33754, Ready for Taxi, with the weather for a South West Departure

Take off:

Magic City Tower Warrior 33754, Holding short Runway 31

Inbound to the airport:

Magic City Tower Warrior 33754, 10 miles to the South West Inbound for the option

Template:

Who you are calling

Who you are

Where you are

What you want to do

Note:

You must read back all ATC assigned instructions

Frequencies for the local area:

Magic City ASOS: 118.725

Magic City Ground: 121.9

Magic City Tower: 118.2

Minot Approach: 119.6

Minot VOR: 117.1

Grand Forks Radio (FSS): 122.2

Emergency Frequency: 121.5

Wx Brief: 1-800-992-7433

Magic City Tower Landline: 701-852-2346

