

### Before Start

Passenger Briefing..... Complete  
Seats & Belts..... Adjust/Lock  
Brakes..... Set & Hold

### Engine Start – Cold

Lights..... Off  
Carb Heat..... Cold/Off  
Mixture..... Rich  
Throttle..... Slight  
Prime..... As Required  
Master Switch..... ON  
Fuel Pump..... ON  
Lights..... As Required  
Propeller Area..... CLEAR  
Starter..... Engage  
Throttle..... 1000RPM  
Oil Pressure..... Check

### Engine Post Start

Fuel Selector..... Fullest Tank  
Fuel Pump..... Off for Taxi  
Lights..... As Required  
Mixture..... Lean for Taxi  
Transponder..... Standby  
Radio..... Set/Check AWOS  
Flaps..... Up  
Brakes..... Release

### Before Takeoff

Brakes..... Set/Hold  
Seats/Belts..... Secure  
Cabin Door..... Latched  
Flight Controls..... Free/Correct  
Breakers..... Check In  
Trim..... Set for Takeoff  
D.G and Altimeter..... Set  
Primer..... In/Locked

**H.A.L.T.** Heading - Instruments -  
Lights -Transponder

### Run-Up

Mixture..... Rich  
Throttle..... 1800 RPM  
Mags..... Check Both  
Carb Heat..... Test  
Engine Instruments..... Check  
Suction..... Check  
Load Meter..... Check  
Throttle..... 1000 RPM  
Radios..... Set CTAF  
Transponder..... ALT  
Fuel Pump..... on thru 500'  
Lights..... as required  
Pitot Heat..... as required  
Flaps..... Set for Takeoff

### Cruise

Cruise Power..... Set  
Mixture..... Leaned  
Fuel Pump..... Off

### Pre-Landing

Fuel Pump..... ON  
Mixture..... Set  
Carb Heat..... Test  
Fuel Selector..... Fullest Tank  
Passenger Briefing..... Complete

### After Landing

Transponder..... Standby  
Fuel Pump..... OFF  
Mixture..... Lean for Taxi  
Flaps..... Up

### Shutdown

Throttle..... 1000 RPM  
Mixture..... Idle Cut-off  
All Switches..... Off  
Mags..... Off  
Hobbs..... Record

### Interior Preflight

Control Wheel..... remove locks  
Hobbs..... Record  
Mags..... OFF  
Mixture..... Idle Cutoff  
Throttle..... Closed  
Flaps..... Extend  
All Switches..... OFF  
Master..... ON  
Fuel Gauges..... Check Level  
Lights..... Check  
Pitot Heat..... Check  
Stall Warning Vane..... Check  
Master..... OFF

### Exterior Preflight

Windows/Fuselage..... Check  
Right Flap..... Check  
Right Aileron..... Check  
Right Wingtip/Lights..... Check  
Wing upper/lower Surface..... Check  
Wing Leading Edge..... Check  
Right Wing Tiedown..... Disconnect  
Fuel Vent..... Check  
Main Gear/Tire/Strut..... Check  
Fuel Sump..... Test  
Fuel Quantity..... Check  
Fuel Cap..... Secure  
Fresh Air Inlet..... Clear  
Windshield/OAT Probe..... Check  
Oil Quantity..... Check  
Engine & Components..... Check  
Cowling Latches..... Secure  
Prop/Spinner..... Check  
Alternator Belt..... Check  
Air Intakes..... Check  
Landing Light..... Check  
Nose Gear/Strut/Tire..... Check  
Exhaust..... Check  
Fuel Strainer..... Sample  
Fresh Air Inlet..... Clear  
Left Gear/Strut/Tire..... Check

Fuel Vent..... Check  
Wing Tie-Down..... Disconnect  
Pitot/Static Mast..... Check  
Fuel Sump..... Sample  
Fuel Quantity..... Check  
Fuel Cap..... Secure  
Stall Warning Vane..... Check  
Wing Leading Edge..... Check  
Wing Upper/Lower Surface..... Check  
Left Wingtip/Lights..... Check  
Left Aileron..... Check  
Left Flap..... Check  
Bottom Fuselage/Antenna..... Check  
Windows/Fuselage/Antenna..... Check  
Ident. Plate..... Secure  
Tail Tie-down..... Disconnect  
Stabilator..... Check  
Rudder..... Check  
Navigation Antenna..... Check  
ELT Antenna..... Check  
Battery Vents..... Check

### PA28-140 Cruiser Speeds and Info

Vx..... 78mph  
Vy..... 89mph  
Vr..... 65mph  
Vso..... 55mph  
Vs1..... 64mph  
Vne..... 171mph  
Va..... 129mph  
Vfe..... 115mph  
Vno..... 140mph  
  
Gross Wt..... 2150lbs  
Add oil if below..... 6qts  
Fuel Capacity..... 50gal/48 useable  
Fuel to tabs..... 18gal