

Piper Arrow PA28R-201 Checklist

—INTERIOR PREFLIGHT—		—BEFORE TAXI—		—BEFORE TAKEOFF—		—CLIMB—		—DESCENT—		—BEFORE LANDING—		—AFTER LANDING—	
<p> Hobbs and Tach..... Check Certificates and Documents..... Check Control Wheel Restraints..... Remove Landing Gear Control..... Down Parking Break..... Set Air Vent Fan and AC (If Equipped)..... Off Circuit Breakers..... Check Alternate Air..... Idle Cut-Off Mixture..... Full Forward Propeller..... Throttle..... Idle RADIO MASTR Switch..... Off Auto Pilot..... Off All Switches..... Off Magnets..... Off Interior Lights..... Off Pilot / Static Systems..... Drain Alternate Static..... Check BATT MASTR Switch..... On Fuel Gauges..... Check Quantity Fuel Selector..... Less Full Tank Annunciator Panel..... Check and Test Exterior Lights..... Check Stall Warning Horn..... Check Pitot Heat..... Check BATT MASTR Switch..... Off Trim..... Neutral Flaps..... Extend —EXTERIOR PREFLIGHT— Right Flap and Aileron..... Check Right Wing Tip Condition / Lights..... Check Right Wing Leading Edge..... Check Right Wing Tie Down..... Remove Right Wing Lower Surface..... Check Fuel Sump..... Sample Fuel Tank Vent..... Check Right Main Gear Assembly..... Check Fuel Quantity..... Check Fuel Cap..... Secure / Vent Open Right Wing Upper Surface..... Check Fresh Air Inlet..... Check Wind Shield..... Check Clean Cowling..... Secure Oil..... 6-8 Quarts Exhaust..... Check Prop / Spinner..... Check Engine Cooling Inlets..... Check Nose Wheel Strut and Tire..... Check Air Filter Inlet..... Check </p>	<p> Cowling..... Secure Fuel Strainer..... Drain Fresh Air Inlet..... Clear Left Main Gear Assembly..... Check Fuel Sump..... Sample Fuel Tank Vent..... Check Fuel Quantity..... Check Fuel Filler Cap..... Secured / Vent Open Left Wing Tie Down..... Remove Left Wing Lower Surface..... Check Stall Warning Vane..... Check Pitot Mast..... Check Left Wing Leading Edge..... Check Left Wingtip Condition / Lights..... Check Left Wing Upper Surface..... Check Left Flap and Aileron..... Check Left Side Fuselage..... Check Static Port..... Check AC door..... Closed Empennage..... Check Stabilator and Trim Tab..... Check Control Surfaces..... Check Trim Tab..... Check Tail Tie Down..... Remove Right Side Fuselage..... Check Static Port..... Check Baggage Door..... Locked </p>	<p> Preflight Inspection..... Complete Seats / Belts..... Adjust and Lock Cabin Doors..... Closed and Latched Passengers..... Secured / Briefed Brakes..... Set and Hold —ENGINE START— BATT MASTR Switch..... On ALTR Switch..... On Fuel Pump..... On Strobes..... On Navigation Lights..... On (Night Ops.) Fuel Selector..... Less Full Tank Throttle..... Open SLIGHTLY If engine is warm, omit next step: • Mixture..... Full Rich 3-5 sec, Then Idle Cut-Off </p>	<p> Area..... Clear Starter..... Engage Mixture..... Full Rich, When Engine Starts Throttle..... 800-1000 RPM Engine Instruments..... Check Fuel Totalizer..... Set Fuel Pump..... Off </p>	<p> Mixture..... Lean (EGT / RPM) Flaps..... Up Circuit Breakers..... In RADIO MASTR Switch..... On Avionics..... Set and Check Flight Instruments..... Set and Check Taxi Area..... Clear Brakes..... Release —TAXI— Brakes..... Check Flight Instruments..... Check —BEFORE TAKEOFF— Brakes..... Set / Hold Flight Controls..... Free and Correct Manual Electric Trim..... Test Autopilot..... Test Trim..... Set for Takeoff Fuel Pump..... On Fuel Selector..... Fullest Tank Mixture..... Rich Propeller..... Full Forward Throttle..... 2000 RPM Magnets..... Checked Max Drop 175 RPM Propeller..... Max Difference 50 RPM Cycle 3X, Max Drop 300 RPM Alternate Air..... Cycle Ammeter..... Apply Load Vacuum Gauge..... Check Fuel Pump..... Off Engine Instruments..... Check Annunciator Panel..... Test Throttle..... Idle, Then 800-1000 RPM Circuit Breakers..... In Pitot Heat..... As Required Flaps..... Set for Takeoff Flight Instruments..... Set and Check Air Conditioner..... Set and Check Strobes..... Off Landing Light..... On Fuel Pump..... (Daytime Use Recognition Lights) ALTR Switch..... On Transponder..... ALT / Check code Mixture..... Rich Brakes..... Release Takeoff Briefing..... Complete —CLIMB— Climb Airspeed..... 90 KIAS </p>	<p> Safe Altitude..... Gear up At 500 Ft AGL..... Flaps Up, Adjust Power Cruise Climb, 104 KIAS —CRUISE— Cruise Power..... Set Fuel Pump..... Off Propeller..... Set Mixture..... Set Landing Light..... Off Pitot Heat..... As Required Fuel Selector..... Desired Tank —DESCENT— Avionics..... Set and Check Pitot Heat..... As Required Mixture..... Set Engine Instruments..... Check Flight Instruments..... Check / Set Approach Briefing..... Complete Descent Power..... Set Fuel Selector..... Fullest Tank —BEFORE LANDING— Landing Light..... On Magnets..... Both Circuit Breakers..... In Engine Gauges..... Check Fuel Pump..... On Fuel Selector..... Fullest Tank Gear Down..... 129kts Max/Check 3 Green Mixture..... Rich Propeller..... High Air Conditioner..... Off —G U M P S— —AFTER LANDING— Mixture..... Lean (EGT / RPM) Fuel Pump..... Off Circuit Breakers..... In Transponder..... SBY Flaps..... Up Landing / Recognition Light..... Off Lights..... As required Trim..... Set For Takeoff —SHUTDOWN— RADIO MASTR Switch..... Off Air Conditioner (if equipped)..... Off Mixture..... Idle Cut-Off Magnets..... Off BATT MASTR Switch..... Off All Switches..... Off Control Wheel Restraints..... Install = Pattern Work </p>								